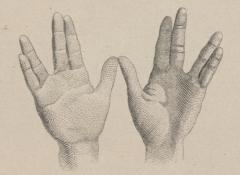
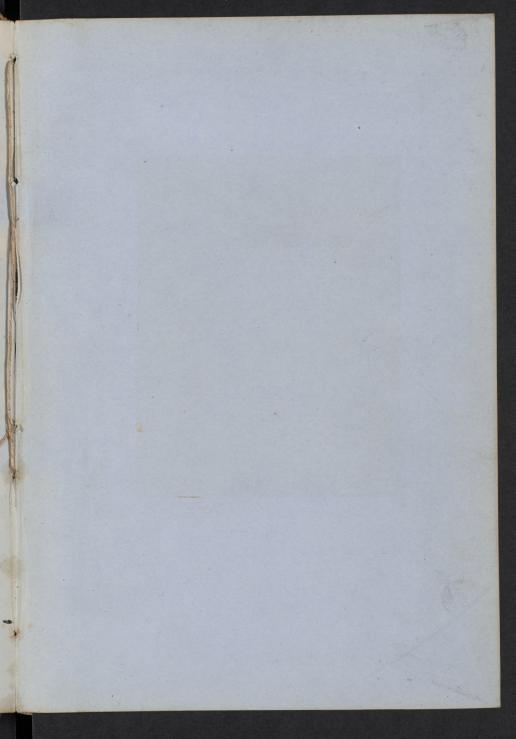
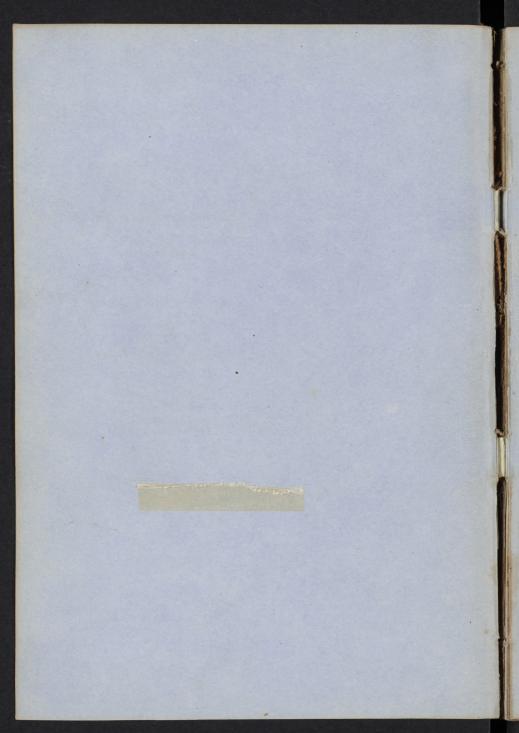


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Notes on Prof grofs" Ledius mengery Jefferson hirdualfollege Voll - ( See vouv) Hillolie V.2

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Prolapse of the bowell is met with most pequently in old t in young subjects, presenting itself, ritur partially or Completely. a partial prolapse, Consists in a protrusion, Simply of the mucous membranz, while the Complete prolapse Consists in the protousion of the Entire gut. The invaginated portion usually Consists of the up 2 -per part of the rection, or may consist of a portion of the colon, In the child it frequently follows upon any disease attended with much straining in defrecation, at which agrales there is some predisposition to this disease, when the Samm is straighter of the abdominal muscles are feeble, as they are in later years of life. here ple laboring under obstruction of the weethra to, are apt to have prolafar of the anus. In the finale it may take place in Conses quence of retroversion of he uterus. This disease frequently gets mell alone, with Comparatively little treatment, attending only to the patient's bowels, & Scentions, using the recumbers porture with slightly attringent injections. When the case is Ja mure permanent of difficult character, this will not do. If there is pade ial prolopsion, make use of applications directly to the affected surface, Especially if there is odema of the Subcutaneous cellular

Substance . Then apply a weak solution of the tineture of waine, or where the tumors are large, make use of punctures or slight incidions, brokers the disease is intractable Some folds of much membrane may be tied upon Each Side of the bowel, I in this may a cure, will gradually be Effected; or the offending portion may be removed with a Knife or pair of Dissers. In the more important forms of this of fretion, a more serious operation is prequently required. Very offentie bowel becomes highly inflamed, + Even strangulated by the Contraction of of the Sphineter muscle. (have the patient upon his absomen & apply Errehrs, + cold + narm natur drefings to reduce the map, so as to be able to return it with greater facility, then oiling the thunk I fingers make systematic Compression upon the tumor, I reduce it in That way, I afterwards maintain the parts, if necessary by means of a Compress and at T Bandage. It may be recessary to make used a slight inision, to divide a few fibres of the Explirator muscle, but this is rainly requisite. The protouding portion should not be Cut off under any circumstances. Where the parts cannot be returned within the bowel an operation maybe performed, consisting in cutting off Some of the folds of the skin which

converge towards the anus, Inall Gases use astringent injections + injections of Cold mater, & the bowels should be Evacuated in the receimbant position. Stricture of the Necturn may be Simple or Carinomators, most fraguently the latter. This may the result from Rabitual insitation, or may be puduced by a large ulers or may follow upon a mund or ulceration. The immedia ate Cause is an infusion of lymph into the Submucous Bellular in Substance. The most Common Sent for the affection is too or there inches above the verge of the asses. It occurs thost frez quently in advanced ags. The patient Experiences difficulty in Evacuating the bowls, + the facal matter will usually presut itself in a sibband-like form, and much Smaller in Sign than in the natural state. This disrase is not malignant. Kelisf must be effected by means of the bougie. It must be hassed into the stricture and allowed to remain Several mine utes according to the tolerance of the parts and the instrument Chould be reintroduced every 48 hours at first, and more frequently afterwards arrowing to circumstances, offeeting dilatation in this manner?

XIII. There is cometimes a stricture of the rectum owing to a carcinomatous affection. This is most common in oldage, toccurs in both sextes. It is frequently a primary disease Commin-Cing in the bows and anus, + Extending to the surrounding parts. Sometimes it is Secondary, beginning in the neighboring parts, and gradually Extending to the bowl of the anus. There is much diffinely in muturation with a frequent desire to pass mater. If the patient is young, & the disease rapid in growth, + if of Considerable growth, it may be an enerphaloid disease, but in the generality of instances it is Schirrus or colloid in its character Especially the former. as the disease progressibjulceration grad= nally tatres place busing to a discharge which is always offensive Such a stricture is irramediable, but the symptoms must be palliated by the ordinary remedils. Trep the bowls in a soluble Condition, Employ injections of Cool, tepid, + warm nater, use demulcent fluids medicated with landamum or morphise + ob-Serve great cleanliness. Much Cannot be Expected from dilatation but temporary relief may be afforded in this may. In the Early stages when occurring at the verge of the arms, it may, under

Certain circumstances, be excised. Sometimes there are to be found Foreign bodies in the Rectum and in the anus which are of various kinds. Thry may pass into the alimentary canal, through the month, & lodge here; they maybe developed in the Canal; or may be introduced into the ams by accident or design The most common bodies found here, are pieces of bone, undigested meat, brad, granules, pins, needles + Such substances, which, when allowed to remain, give rise to inflammation. The body may Sometimes be removed by the finger without much difficult but sometimes, foresps are required. Then the substance is of lone Siderable bulk a pair of lithotomy forceps must be Employed. If the foreign substance is developed in the bourd, Consisting of an alorne Conviction, it may sometimes be removed by the hand, & may Sometimes be broken up + removed; +, rarely, a division of the sphincter muscle may be required. Occasionally ascarides lodge in this part of the rectum . They are usually rolled up + Surrounded by meyeted mucus, I may produce an immeruse amount of suffering. Pravance may be effected by means of a Stoop, by the handle of a Spore, on by means of a Small spore,

carefully introduced into the bowel, & by injecting some initating fluid. Sometimes the lower bowel is distinded with facal matter which accumulates almost impererptibly until it amounts to So much that the patient Cannob expelit, tours generally in protracted illness. Neuralgia of the Hectum & anus Sometimes oriurs Coming on rither periodically or at inequals intervals +it may be dependant upon derangement of the digestive organs. There is great truderness upon examination by the ofinger, other is pain during the act of defreation. Tometimes our particular portion of the rectum is the seas of the irritation. The anti-neuralgir remedies are quimine with struckingue or belladonna or more phia, or opium. In privodical attacks the best remody is quinine Say 10 grs, 2 or 3 times aday, snough to impress the system. When the disease is more chronic, administer 2 grs with both of a grain of strikingne, or 1/gr. It hack of belladonna, or 1/5 or hoga grain of arseniores acid, granded by landenum or morphia, given 3 times in the 24 hours. Attend to the general health, & use cold or warm water, Externally + internally. Gildren are semetimes born with imperforate anus

which may be effected by the Continuation of the Common integer ments, bring Extended, from one buttock to the other, when a soft I falling tumer may be felt there, fluctuating, In another form of this affection, the slit shists but there is a septem some little distance above. In another variety, there is a fibrous or fibro-Cartilagenous Substance intervening between the parts where the arms should be I the inferior part of the pelvis. In Some Cases the bowel terminates in the vagina or in the Commencement of the weethra; in the posterior inferior part of the wrinary bladder. When the Case is Simple, the operation Consists in making a crucial incision into the part, and the of flaps may be immediately disserted offely neessary closure may be prevented by the introduction of a tent. When there is a septum a little above the very of the anus, Carry the tringe into the ames, & divide the membrane in two diffrent directions removing the flap if neerstary. When there is a fibrous, or fibrocartilagenous Structure in the bray, a vinious dissertion must be made which may after all, fail in affording relief. Place the patient in the same position as when operating

for stone in the bladder. make an incision from the prindeun fack wards towards the Cough, directly in the median line farry the interment backwards towards the Sacrum, I work upward. Should the bowel be found, make an incision into it, + Endrawor to prevent closur of the wound by the introduction of a tent, which should be changed Several times aday, + dilate the opening frequently. When the boul terminates in the vagina, or wrethra, or inthe postrier & inferior portion of the bladder, little Can be done. In the first place make an incision along the median line; + when the bowshis reached, dilate it, + Keep it pervious by means ofatent I bougir. When the bowl terminates in the bladder, the affects ion Cannot be removed. The operation for artificial anus has been recommended for this & Some previous affections, but Cannot be too much Contramed and discountenanced. Priviles of the anus or tiling of the anus is adiseased charac. Knized by Excessive + intolerant itching, so constant + imprenative that the patient is obliged to scratch no matter where he may be Irouns, generally, after middle age. The Skin is a little rough & hard as well as thick, I when the patient hascecently

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& Scratched, there is a little aboution of the certicle. There may be Emall visides filled with a little fluid, which generally occupy one particular spot, although the affection may shift its position. Sometimes the Cause of the distass is in the bourlovin the anus. There is generally some derangement of the digestive apparatus, + the Cause should always be retified, if possible, avoiding all Stimulants, and all Condinients in the lating of food. Keep the bowels of the patient in a soluble Condition, & give occasionally americanial cathartie There the desease is very obstinate, Krep the patient under the influence of Small quantities of mercury Socially make use of Cold mater, & Soap, twice in the 24 hours; and ouasimally inject cold water. The patient may ner the yellow wash. All rach applications are productive of

EXITI. Hornia or Rupture. This accident is of frequent or currence of the mortality from it is Considerable. By supture is meant a protrusion of any of the abdominal or pelvic viscero through the malls of the abdomen either through a natural or unnatural opening. The part protruded is generally the bowel

or the bowl + the Omentum, generally the Smaller bourt, but Sometimes the large bourd Sometimes there are protusions of the animary bladder, ovaries, fallapian tubes or utures, tocas. ionally the stomach protrudes, but this latter is very rare. When the tumor consists of bowel alone, the term Enterocele is Employed, when of omentum alone, spiplocele, & when consisting of both bowel & omentum it is Called Entero-spiplocale. Hernia maybe reduceable, ineducable, or strangulated. Every supture is lomposed of orveral tunics called its Coverings, varying in number + character according to circumstances. Every herria has its distinct divisions into the body, base, mouth, & neek. The mouth varies in shape textent presenting simply as a fissure or a slit, or it may be inegular in its shape as well as in its size. In recent Cases it is very small , I in Cases of long standing the opening is larger. The neets is the portion lying immediately be: low the vifice, where is found, usually, the stricture which produces strangulation. The interior of the tumor varies in Shape & size in different Cases. The most Common form is either Somewhat globular or cylindrical; it may be Conical, or bottle Shaped, or

of Savrial different forms. The circular form is very race, as well as the Conial form. Every harrial sax acceived a prolongation from 1. The paritoneum, the parietal putin which does not undergo any particular change when the Case is recent, but in Cases of long ed, Standing, the membrane brumes dictioned in consequence of deficits of coagulating lymph, + it becomes apague of Corrugated; be Sometimes it has much termity + Sometimes it is ulcrated. Between om- Throat, There is always in strangulated herrica a cretain amount ver of servis fluid not always limited in its appearance. This is more abundant where the strangulation has taken place Suddenly in ut a case or recent hernia. In inquinal hernia we always find Several Couts; there is, the Strin, Superficial faccia, the spermatic fasia, the fibres of the Cremaster muscle, a prolongation from the transverse fasiia, & the peritoreal investment. The E: causes of this disease are predisposing or Exiting. a presen predise Kes posed to rupture, has the natural rings of the abdonen much larger than Common, There are Somstimes, preternatural apertures from partial Separation of the muscular files. The Existing a Causes are Such as give rise to a great amount of straining

producing pressure upon the Contents of the abdomen & the pelvis through the agency of the diaphragm of the abdominal muscles. a Merria is reduceable when the intertine or the intestine tomentum Canbe readily returned or slip up of their own accord. It is irreduceable when replacement Cannot be effected by maripulation or by posture. Is is strangulated when the protuited parts are Constructed by the edges of the orifice through which the protousion has taken place. The symptoms of reducable harrie are usualby characteristic; the turns is Effacrable & soft & goes up when the patient assumes the recumbent position, I when it orturns, it does So with a gurgling noise. It receives an inquession when the palcint maters use of any exertion. It is apt to be larger soon after a mral than when the bowst of Stomach are Comparatively impty. When the overntum alone is in the tumor it is more solid with little or no Elasticity, the lumer Cannot be diminished by pressure, it has no gaseous feel & it returns with Some difficulty which is never attended with the particular noise as in Cases of Enterocele, it received no impulse from Congling or such Exertion. When the tumor Consider of bourt omention the symptoms will be ga mixed character.

The treatment of a reducible hernia is palliative or radical. The palliation tratment Consists in the use of a retention apparatus, a trues of which there are a great variety, the object of which is to Keep the parts within the cavity of the abdomen, & prevent the tremer from Enlarging. But, for the very young infant this Cannot be used until the child is vernal months old. The patient should man the trues Constantly, reprinally while in the rest posture, + if a radical Cens is nished by the trues, it should be non night + day. If the hernia is large of glong standing, it is sufficient to was the instrument during the day removing it at night, & replacing it in the morning before the patient resumes the exect position; I two instruments should always be at hand, so that in Cases of accident, the patient need not be inthout one . In young Subjects, when the tumer is Small + reent, a radical Come may be effected by wraining a well made + well adjusted trusp at a prive varying from 18 months to 2 years, which is effected by a certain amount of inflammation followed by an Effusion of lymph There are several operations which have been performed for the radical cure of harries the best of which Consists in

Scarifying the Sac & injecting Some tincture of iodino into the int= Erior of the Sac, by a an appropriate apparatus like a trovar, at the same time that Compression is applied by means of a trues for 10 or 12 days. Another operation Consists in Continuing the integuments into the opening I invaginating the parts, but this is not a grow operation. another Consider in Scarifying the interior giber tumor + afterwards making systematic pressure. a Herniamay be rendered inviducible by enlargement of the protuded parts, as where the bourd may become filled with forcal matter. The bowst may become injured from interstitial deposits of from inlargement of the little fatty appendages, or from hypertrophy of her omentum, or from the adhesion of the different parts to each other, or the overtime I the bourd may become adherent, or a band may form between the protruded parts + the inner Surface of the Sac. An ineducible harria often arguines a large bulk Especially the Scrobal variety, when the patient may Suffer much pain Sometimes reprecially during protracted illness a turner which is irreducible may be come reducible by absorption of the band by which the tumor tras connected with the interior of the saw or otherwise. To render

the treatment more effectual, the patient should be kept in the removement pretion, Employing light diet, pringation of the use of mencurials with a view to slight physliem, at the same time applying Sorbefacient remedies to the parts immediately affected. Make the patient was a suspensory truss made of gum clastic enjoining attention to diet of Keeping the bowels properly regulated.

[XLIV.] A hernia is vaid to be strangulated when the protucted parts are Compressed in Such a manner as to render it difficult to return them in their ratural position in the abdomen, & which is at the same time liable to produce inflammation. This is effected usually at the month of the Sae produced by muscular or trudemons fibres; but Sometimes the Cauce of the strangulation resides in the Sae I may arise from effusions or otherwise. Trangulation is usus ally produced Suddanly in Consequence of Some muscular Exection , when a portion of the bourd passes down tis Compressed The Signific toms denotive of this occurred are sufficiently characteristic. Iter patient som after the occurrence feels a certain amount of

unrasing + pain in the part with trudeness on pressure or

Exertion. Afternards the Exemptons are much more violent, & the tanderness befor Existing only at the Seat of the protousion becomes diffused, I the bowel brumes Exercitingly Sensitive. The tumor itself is usually the Seat of greatest suffering. Bye of bye, the patient is sizzed with symptomatic from + afterwards there is vomiting; at first of the ingreta along with some mucus, then perhaps of hils of bile + mucus and finally of strucoracrous or freal matter. If the affection is premitted to progress, the Symptoms assume a typhoid character. The tumer may give the indications of gangrene or mortification while there may be no pain, which affect may take place in a priced varying from a frew hours to a few days; and a Case of recently strangulated hernia is more liable to have these Consequences than where the tumer is. of long standing or Considerable Sigs. The treatment is divided into therapentie of operative the object bring always to afford relief as Early as possible to Save stricture I prevent the formation of an artificial anus. Simple motion or assimally suffices for the reduction of a strangulated hemia; & Sometimes the administration of a full anodyne will, in the Course of a few hours produce such a relaxation that the parts will return with little manipulation,

Or the application of a poultier, or colder transmittation, or pounded us will be sufficient. Occasionally the reduction is effected under the influence of a slightly stimulating Enema. But in the major. ity of instances mon efficient remedies are necessary. The best posture in which to effect manipulation is one in which the head of Shouldres Shall be Considerably elevated, I the pelvis & inferior Extremities also, Should be Somewhat elevated. The Surgeon Should Sit by the side of the patient who may belying on the edge of a bid, or upon a Conde, or upon the floor. Then take hold of the two mor at its upper part on the side of the mouth of the said, of Endra vom with the fingues & thund to deag it down Carefully, from above downward So as to get it from the crifice at which the strangulation has taken place; this must be done with great Care + grutheness, + at the same time, must be done efficiently. Then take into Consideration the direction the protrusion has takent make the effects at reduction in a conseponding direction, always making manipulation in the direction of the displacement. After the bourd is replaced, Enjoin rest upon the patient, + follow it up by a mild Cathactic in the Course of 24 hours, or

by an Enrana. Produce a slight action upon the lower bourt, Enjoining light dirt te, & the patient may have no further difficulty, then put in the trues of the patient may go about his regular besinsp. bry offen the reduction is effected with great difficulty, + in order to africk these efforts other means must be resorted to. If eligible blood may be taken from the arm from a large orifice, of the patient of very plethorie may be bled to agreepe, of then the efforts at reduction must be renewed. If blood Cannot be removed place The patient under the influence of an ancesthetic agent of the tue mur may be reduced without much difficulty; unlif in Cases of too long standing, or the circumstances of the Case are very peculiar. There are Some Cases where the strangulation is So tight, other Con-Striction So Savar, & the Case of such long standing that replacement of the protunded parts is impracticable under any circumstances, + Then the proper operation Should be performed as Early as positive. Inperforming this operation, place the patient under the influence of an ancesthetic; then make an incidion acrop the tumor Before doing this first Empty the bladder, then place the patcourt in an available position, show off any hair which may

be in the region of the part which is to be the seat of the operation. make the incision across the tumer citize vertical oroblique; a Lingle or Crucial inition or any Shaped inition according to ties Cumstances. Cut boldly, of the tunes be large of thick, through the string funficial fascia until you get to the muscular fibres, & then proceed more Cantionsly, dividing the fibres Carefully upon a director inserted beneath the muscle ortendon, of these procred until you get to the peoper hernial Sae, dividing part after part, giving abundance of wom, fuct as in the apreation for lithotomy. Maving thus divided the parts, when you Come in Contact with the parietal portion of the printoureum you will find Some Serum, which is Somewhat aboundant when the strangulation has Continued for some length of time. But though the saw with The itemost Care & precision, finish up a little fold, + then apply to this portion the point of the triefe enating a little opening into it, I of the Semm Escapes you are in Contact with the protuded parts Then insert the director, first whowards, then reversing it make an incision below + you get fire access to the protunded hacts prefritly Expect. hest introduce the index finger of the left hand

pass it upwards, & feel for the stat of the strangulation, & having found it, take a probe pointed bistory nanow in the blade, blunt at the Extremity of pass it up upon the finger of then dinde the parts for the distance of a line or a line to half, which will most always be quite Sufficient, then take hold of the bourt omentum, I draw them down away from the seat of the Consticition, & then the prints condition at that point can be seen, + if they are in the proper condition to be returned, replace the bowel first of then the omentum, of first that portion of the bowel which was protuded last gently, by steady equable persone; then bring the edges of the parts together by several points of the interrupted Suture, Carrying the needle through muscular fibre, tendemons fibre nearly down to the printoneum to avoid, afterwards, any relapse, taking care the deep portion of the would united as well as the superficial portion. Place a Compress when the Surface of the Ekin, + Secur it by means of a bandage; place the patient in bed + treat him antiphologists ically, nor giving any solid food. Fin the patient a fullanodyna to relieve pain & induce Shep, as well as to tranquilize

the bourd, until the part has gained its former time o character. If the patient labors from printonitus, bleed him locally by lerches us formentations + large quantities of anongres. After the pat. wint has record from his wound, apply a trues before he resumes the rest posture. Onquinal hernia orhunia of the grown presents itself under orienal varieties of form. The chief variaties are harnia by the oblique descrut + direct inquinal himia. Colique inquinal himia is that form of supture in which the protected parts follow the Course of the sprematic cord of the male, of the round ligament of the female. This has been called External inquinal humia. A turner of this kind incols 7.5 the string the superficial fascia, the tendon of the Esternal oblique muscle in which is Situated the External abdominal ring through which the turner Emerges when there is Complete inguinal hernia . The two ingo are distant about 18 or 20 lines the internal ring is from 4 to blinds above touparts ligament which is the point at which the instrument for relief must be applied, midway between the anterior & sufricin Spinous homes of the Illium + the Symplespis of the hubie bone

Then come the films of the cremasher muscle, a prolongation of the faccia lata, & finally the hermial Saw.

XLY. In this variety of himia, the spigaetic actery liss upon the inner Side of the turner, between its inner surface of the median line of the body, + care must be taken that it is not wounded. The protuded parts air in front of the sparmatic Cord in the male; I in the famale, in funt of the round ligament of the uteres; but in a few cases they are in different directions. This kind of hernia is more common in the male than in the female. The disease is more common on the right Side than on the left. This variety of humin may be reducible instruction ble or strangulated. The reduible from must be treated by a well constructed & well adjusted trup to be worn more or lass Constantly aunding to the industions to be fulfilled. Inihareducible hamia may be Conformer with other affections as anlaryement of the inquinal glands in this region, or provas abscess pointing above breparts ligament. When the bowl becomes strangulated, place the patient in the proper position of manipulating properly a reduction may be effected. When obliged to operate the trings must be Carried obliquely upward & intwards. In recent cares the stricture is rither at the

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Expernal abdominal ring, the internal abdominal ring, the mouth of the Sac, or at the edges of the internal oblique muceles. The point of the strict we must be accertained by the finger. When the tumer is of long standing + vry large, the rings +the introvining Canal unongo much change. The internal abdominal ring is deagged down forer towards the linear alba so as to place itself directly above & behind the External abdominal ring . Then the takes must be made maily directly sufficials, & so when the trife is used, it must be Carried diretty upwards Conquinal harnia may be by the direct descent, in which form it is Compar = atively infrequent; when the bowel of the omentum pass down through the films of the transverse + External oblique muscle or just below the edge of these muscles, + then they Carry along with them, generally Speak ing, aportion of the transverse fascia though Sometimes this is ulcerated n the fibres are separated; in other Cases they pass into the External abdominal sing of finally emerge in this situation, lying close to the Spine views of the pubis. This Kind of harria includes the stein, The Superficial fascia, of the Spermatic fascia, on the fascia of the cord. The Sprumatic Cord execually lies upon one side; generally upon the inside of the tumor. Then we come in Contact with a

prolongation of the transverse fasica forming the 4th Covering; + then There is the proper humial Soe. The treatment is the same as for the relisf of harried by the obligies descent. In the Employment of the tatis make the efforts directly upwards in a straight line; & So like hier when using the trife for the purpose of dividing the stricture. In this Case the spigation artery is always situated upon the outside of the tumor. The Concraled inquinal hernia san insidiores from of the affection; the turner being always Small of concealed in the alderninal ring, when at the mouth of the internal ring The bourt may be merely intercepted, or the nalls may be simply pinched, + the tumoris So Small as norto be seen Externally of the patient may have all the Symptoms of Strangulation & may die in this way. In Such Cases always carefully examine the regions where humin is known to take. place. If there is tenormees under manipulation which cannot be valued by the taxis, do not heritate to make an incision down so as to ascertain the condition of the parts. In this variety the coverings are diffrient from the other varieties. The tumer does not make the whole descent of the canal. Then Such a tumn is strangulates, you will cut throughthe skin, Superficial Jaseia, + the fibres

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of the stamal oblique musto which from the antriver boundary of the external abdominal ring. The sprimatic Cord lies behind the tumor In performing an operation hors, cut into the Canal, I there cut through The fibres of the cermaster muscle, & then there is a prolongation of the transverse fascia + finally the proper hernial our the stricture bring usually formed at the fibres of the internal oblique of transverse muscles which overhang the protended parts, or at the month of the sav. Scrotal herria is a continuation of the inquinal varies ety, which after having Emerged at the External abdominal ping, paper into the Scrotum. Tursal harries may be inquired harries by the dir-Est or the oblique desernt. This variety may be Congenital or may on cur at any prive of life. The diagnosis is notalways rasy as it may be unfounded with other diseases, as hydioule, varieverle, to. The tumor grows from above downwards in hernia, while in hydrocele it grows in the opposite diretion. In hernia the tumor maybe entirely soft, but it is never as clastic as hydrocole is of does not fluctuate, of if it Contains air the noise is of a premier gurgling character. The tumor disapprars as long as the bourd is reducible. The Exermatic Cond is situated generally at the posterior part of the lumor or at one

Side. The testile is situated always at the bottom of the tumor. Scrotal humin is more fugurant on the right than on the left side. If there is any doubt with regard to the tumor; the rule is to operate with a small cularuct mode, to determine its lintents. For the artist of Sewal huma the usual means are to be simpland, making the patient was a truss more or less constantly. If the huma is reducible make use of a suspensory bandage If strangulation takes place make an incusion in the direction of the tumor, Expose the parts in the usual way + the stricture will usually beat the External abdominal rings, I running the knife directly upward the object will be effected. When an operation is performed it must be done Carefully. This variety of hornia occasionally comes at both when it is apt to be combined with hydrocele. The truss Cannot beenployed at this Early pried when a Compress maybe applied maintained in its place by adhesive strips of a bandage, changed frequently for purposes of clean lines . Then the child arrives at the age of 10 or 12 months a truss must be made to fet, which must be non constantly takermanset curs is liable to be effected then an operation is performed but a slight incision should be made to avoid inflammation of the

printeneum. Another variety is the Encepted hernia which is of
rans occurrence. In this form the process lunging in the abdorminal
Canal remains open this bourd in passing down into this Canal,
carries with it a process of the parietal portion of the printeneum. The
termor passes behind the process of printeneum which his between the
raginal Court of the testile the printeneal Cavity Insperating
the raginal court of the testile must be cut through to lower incontact
with the proper hernial Sac.

(XIVI) Foural or femoral hernico tates place below touparts ligament This variety is Comparatively infrequent occurring when compand with the other form in the proportion of one teter. Is is more common in the finale than in the male of it vildom versus at an Early age. The internal contal ring is at the inferior portion of the pelvis in this situation. The inferior crural ring is situated upon the upper timer portion of the thigh; the Canal bring between these rings, The Superior ring is Somewhat ovoidal in its Shape, founded Externally by the femeral view, internally by Timbernat's ligament; anticionly by Proports ligament; & behind by the rames of the basic bone. In the natural state the ringis usually closed by a lymphatic

yanglion Sunounded by adipose Collular Substance. The inferior fernival ring is often called the Saphernous opening. The opening is Somewhat egg shaped of its edges are sharpt correcentic, Expreially towards the pubis. It lies over the fernoral view of the Saphernous vin In the natural state it is classed by a source of hymphatic ganglier y by a mass of cellular Substance Called onits form con-Bogs. The fernival Canal interiors between these two openings + it is usually very short, bring never more than an inch or an inch Lagrader in length; & its anterior wall is much shorter than ther postrior wall. When the parts descend in this direction the affect. ion is Called formunal harmia. This variety may be complete or in-Complete. Then incomplete it passes down a Small distance into the crural Canal of dues not manys into the inferior sing. When Complete the tumeris always Small of longer in the transverse than in the vertical direction The tumor when Coming in contact with the laminated margins of the fascia lata, Steer them out of their Course So as to form an angle with Each other passing upwards to Porparts ligament. The Centruls of the turner maybe bowel or omentum or both; must frequently the protection Consists of bourl alone.

This rainty of harrie is liable to be confound it with tremers that occur in this Situation. Is may be compounded with inquinal harried. It may be mistation for a large lymphatic ganglion, which may arise from geninhau, fum veneral disease, fromlold, nother Causes. When there is donet as to the nature of the turner, & it Cannot be reduced, therede is always to operate. The turner formed in Connection with pass abself offen points in this direction, of there is cometimes here, a varieose En= largement of the Saphenous vein. In this variety of hermia in the Emplayment of the taxis, the Sugron must proceed in a precidiar manner. When Called to a Case where strangulation Exists, before beginning the of forts at reduction take hold of the tumer & drag it denonwards to little invareds in work to oversome the angle which is formed. The head to handdres of the patient should be elevated, the lines should be flested. The thigh must be rotated inwards of frequently both thighs must be invent. rd in orderfully to velax the parts. Place the patient under the influence of chloroform & shere will not be likely to be any necessity for cutting when an operation is necessary it must be remembered that the stricture is most commonly at Simbernat's ligament, Somstimes at Mayes ligas ment fat other points but very Eldom. Cany the trust really in a

straight line upward, inclined slightly inward toward the pubic Symphisis, & then the parts our to be nicely divided. The parts will only need to be notched. The coverings of the hornia durded are skin, Supreficial fascia, the cribiform fascia, then to reflexion of the trans orner fascia & finally the proper hernial Sac There will be little or no fluid in the sac as in the case of inquinal hornia, The Case is here very urgent of the operation when performed Should be done Early. In the Common reducible form of francoal hunia, a trues is used with a Somrwhat restical pad. There is a variety Called umbillical hernid, or humin of the newl. This Comes on Constinues immedia atrly after birth tis more Common in females than in males In young prisons, the protended parts Consist almost Exclusively of intestine, or intretine to Small fold of omentum. In the adult it Consiets mainly of the Colon + a large portion of the omentum. On immense protrusion may gradually takeplace, & if the hernia is of long standing & large vier, half of the Contracts of the abdoner maybe included in the parts. When it is remible the patient should wan a trup; if it is insoluciole, he I Should wan a suspending bandage. If it is strangulated it Should beneduced by the takis, dif necessary by means of the Briefe In

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the child reprintly when the puture in sofomentum, a cure may be effected by reducing the contents of the hornica of thembringing the edges together by means of Several points of the interrupted Suture. The thild must wear abandage firsometimes afterwards until the harts ar Somewhat consolidated of the humia breomes strangulated Emp log the takes in the usual manner. The operation Consists in make inga for incision in the parts, a perpendicular da horizontal hound, a Tlike incision giving abundance of room, divide layer after layer, the skin & Superficial fasica & then you Come to the harmial Sae which latter may Sometimes be Entirely ab-Sent, from king marenated or having undergone abention. Then introduce the finger & divide the stricture in the usual way. (XIVII) It is supposed that in dividing the stricture of a strangulated hernia outside the sac there is less danger of peritoreal in = flammation than otherwise, but the great objection to this operation is that the strangulation may not be properly divided, In performe ing the operation, the stricture is divided leaving the peritoreal sac intact. When the strangulation has Existed for any length of time as Several day this operation should get performed Inter

ner of the takes, the parts are Sometimes reduced without the Strange ulation being Corrected, So that the parts are puched up in a new Situation, where the strangulation Continues This will usually be indicated by the presistence of the symptoms of strangulation, the patient not bring relieved. If this is found to be the Case request the patient to make efforts at protession, & if the parts desired, the rule is to cut down upon them, & relieve them by means of the Knife. of reprotusion does not take place, make an incision at the seat of the supture, search for the parts & relieve them. Inoperating for Stranger. lated harria the bowsh itself is offen found in a bad Condition, rendring it impropor to return it for ulcrative action may have taken place, in the bourd may be partially mortified, or mortified to a considerable Whent: I if the bowel were returned in this Condition, Extravasation of ficial matter might take place, the patient soon be dectroyed by printonitis. When the bowel is perforated, or pierced by one or more april tures small in Size, Liege hold of the edges of the perferation with a tenac. alum, Carrying it from side to side; therust a little delicate ligature around it, I cut off the edges close to the knot; I then return the bowel If the opening is large this procedure night retriet the bowel

So much as to prevent the ready papage of the focal mutter Then the best thing is to brave the bowelin its present situation, Establish an artificial and formore the stricture if necessary If the bound be mortified as will be Sufficiently indicated when Existing, let the parts alons of establish an artificial anus. Domestimes the bowel mill be very much discolored + there may be no mortification, but only a tendracy to mortification. In such a Case the rule is to relieve the Stricture in the usual way , & tresp the parts Exposed for a short time under the Cover of the hamial tumor, or under the Cover of a Soft, marin doth to ascertain if the circulation will return; owhen there is great doubt the parts may even be scarified slightly, to See if any blood is likely to flow, or the blood may be squeezed out gently, to see if the vestels " Supplying the mortified structures will become refilled. With regards the omentum, the above remarks Concerning the bowel are in a great degree applicable. The part may be affected but not to the Same Extent as the intestine. The part will be preternaturally color Ed o'Soft, twhen there is don't the plan is to Excise the protunded portion, lating Car immediately afterward, to ligate all the bleeds ingressels, Such as are likely to give rise to blinding. Offer the

parts are returned, cut off one end of the ligature close to the Knot, + let the other end remain. In a case of hermia of long standing, with great thickening + induration, it will Scarcely be proper to return , he probuded parts, & the best plan is to Excise the offending portion of the omentum + treat the case afterward in the Same manner as when omentum is excised on account of threatening or Existing mortification. Wounds of the chilestines. a mund of the walls of the broads may occur perforating in its character, Extending into the printereal Cavity & not interpring with any of the contents of that Cavity: Queha hound when morely incised, is simple in its character; but it may be Complicated with hemorrhage, from wounding of the arteries in this situation. Then the wound is simple approximate the Edges by means of the interrupted sections; & if there is not great thickness of the ralls, by means of the wisted suture; othe great point to be attended to, is that the suture shall go down, nearly to the peritonous, otherise the fibres of the muste will gap to hernial protrusion will be the re-Sult; I then the haits closely at as many points as maybe desmed neursbary of there is hemorrhage of the acting cannot be found readily; inlarge the opening, find the vissel the it in the usual manner.

Afterwards this patient should be confined to his bed; & after his gets up, The parts must be supported by a well constructed trues until they become consolidated. Of there is a wound of the abdomen, along with a hound of the intestine, of a corised character; & if the wound in the intestine is over two or there lines in length, tigit is returned in this manner into the abdominish travasation of facal matter will take place, + printingal inflammation may set up which will Carry off the patient in the Course of 36 or 48 hours. When the wound is only aline or so in length, there will be an eversion of the mucous membrane which is Sufficient in many cases to effect the closure of the hound; but when the wound is 4 lines or over the Eversion is inadequate, I foreal Extravalation must take place. The circumstance of a mound in the bourd is Enoun by the Escape of gas, of muces, or ingesta at the ofrining in the wall of the abdomen; but novalways so, no necessarily So In some cases there is a discharge of blood by the anus; tif the wound is Situated high up, theplows may pass up into the Stomach of the patient may have vomiting of blood, I there is great shock of the constitution. Morn the bowel does not protecte, it is difficult to Know the size or nature of the wound. There will generally be a development

of tympanitis soon after the infliction of such a wound, the abdomen becoming greatly dictended; but this development does not always takeplair sufficiently Early to institute a proper concer of treatment. There may be a copious hemorage proceeding from the humbed bowl itest, or some blood vissel in the initinty may have been wounded; or it may poured from a number of munds of this tind in this Case the treatment Consists of thrupplication or introduction of the Section, rether the interrupted or continued Sutur. another to prefrable Sutur, is the Suture of Sembor which has for its object the inversion of the Edges of the bourd, in such a man= neras to approximate the Serves surfaces, thus facilitating their adhesion or runion. Then the round is healed there will be a septum lying in the tube. This is Simply an interrupted Settine performed in a preces lier manner. The Sections must be introduced at a little distance from the wound about blins through the Surface; carry a through the sists mucous collular substance lating a firm hold; then bring out the nords within about a line, or a line of a half from the edge of the wound, + then carry the needle across the wound, + latte two stitches of the Same Kind, on the opposite side, & when the ligatures are drawn together, the object is effected. Place as many sutures as the length of the mander-

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gives about Hinch apart, & Cut off the Ends of the ligature close to the Knot. The ligature find its way by ulcreative absorption into the interior of the bowel, being afterwards discharged along with the Contents of that tente. The detachment of the ligature is affected at a period varying from a fortnight to 3 or 4 mishs, according to the number of the ligatures of the mans nor in which they are tied. After the bowel has been sewed up cleanse it of any foreign Eubstance, by a int sponge, using topid rater, +after ? raid replace the bourd in its proper position, commencing always at that portion which lies reacret to the mound in the wall of the abdomen returning portion after portion, bowl first & omentum after. brands. Wifher the bowel has been reduced, the wound in the wall of the abdominios Sewed up; the patient is put in bed of Carefully watched inarformer to the occurrence of printonitis. If these Symptoms appear, blied him by taking blood from the arm, + by lerches to the abdomen. Employ the antiphlogistic remedies to their greatest extent, bring careful not to give antimony or any hungative. Nonve the patient, bland him, forment the parts, tin this may, assisted by the adminishatin of large quantities of opium, lock up the bowels + prevent papages. After the bourd has been returned inflammation lates

place in the structures which have been involved in the injury. Then a wound has been inflitted in the abdomen of the instrument has pirrerd one or more folds of the intestinal canal, their may be no Evidence that this has takenplace, of there maybe no protrusion of the alimentary Canal. In Such a case the wound must be anlarged by the probe pointed bistonery, then sieze hold of that portion of the bowel marest the mund, + draw it out coil after Coil, to asen = tain the Existence of a wound, I when a wound is found, treat it in the proper manner; + this must be done wen when there are no diagnostic Symptoms of this character, there may be or not symptoms of tympanitis. If the wound is inflicted by the ball of a fire arm, + their is cracen to believe their are a number of wound which are large + inraular, the case must be left alone. Theat the patient whongen= Eral principles, Southing him as much as possible. There there is a wound of the Stomach it must be treated Similarly to awound of the bowel; food bring administered by the Rectum Pungation medicines must not be given der may be applied Externally. Wounds of the liver, Spleen, Kidneys, & urinary bladder air dangerous & mostly fatal. hound of the bladder are always immediately fatal.

XLYTIL. Dometimes a pertien of the splern may protecte through a wound in the abdomen, when it should be replaced as speedily as post Sible; but if it is very much lacreated, it must be fixed up tallowed to remain in its position. Frounds of the bladder are difficult to manage, I in Such cases, a catheter should always be introduced to maw off the unine as soon as it is formed. Artificial anus is sometimes formed, rither by ulceration or oshamise, of the patient is often Subjected to annoyance represally of it is situated high up; the paternt is apt to Swiffer from prolapsess of the affected portion of the bowel. The parts are liable to inflammation. In all such cases, Especially when of long standing the inferior portion of the tube, intervining between the artificial anus, I the natural anus, usually becomes in Some degree Collapsers, as the feeal matter of the ingesta no longer pass along it, but are thrown off at the artificial anus, & if any do paes down, the quantity is very Small. In all Cases, the obstruction to the curs Consists in the press ines of a Seption or partition, between the two Contiguous portions of the bowel. The Septum Consists of 8 distinct layers, Each portion of intertine having 4 membranes, of these two walls laying together in Contact, there must be 8 layers To effect a permanent cure, this

ridge must be disposed of. Then the ridge is Comparationly small, un = ion may take place naturally, but this is none. For purposes of cleanling nef, the patient must wash hinself 3 or 4 times a day, I wear a hollow trues, to receive temporarily the fixed matter, or he may wear plugo or tents, in the two orifiers of the guts. To affect a rapid of perma: nent cure, brak down the Septime. This can be done by the introduct. ion of a Seton, Carrierd up some distance into one gut & brought out at the other. The object of the ligature is to effect adhesive inflammation. between the two peritoreal Senfaces of the Septem, which are Snows in their character. At the end of 14 days the orten may be taken out, first armoving the remaining portion of the Septem, when consolidation will ultimately take places another operation consists in the introduction of the Enterotime, or get cutter, consisting of a pair of firesps, the edges of which are Servated, probe pointed at one extremity, I worked at the other by means of a verew. In performing the operation, passons blade in Eachquet of them the blades are firmly servered together to make present to effect strangulation, during the progress of which the inflammation Extends to the contiguous Surfaces of the two portions of intestine, they the time the Sough is detatched, the two Surfaces are firmly gleed together,

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V this is a new rlegant procedure than by the ligations. Other operations may be preformed for the Same purpose. Maving destroyed the Septem, make explimatic Compression by the Compress + bandage, + propel the field matter from the upper to the lower portion of the gest, I thus Establish the continuity of the Canal. The Ovaries are liable to inflammation + all its consequences; to the cycliform degeneration; the various heterologous formations, also to the formation of hydatids, chiefly in present after the middle period oflese, but Sometimes occur at a compact atively rady age. Comparatively spraking old maids are particularly pront to three degenerations. Any kind of fluid may our here in con-Siguence of cystic formations. There may be one mormons cypts or a number of smaller ones in which Case there are partitions passing in Every direction, to firm Cavities of different varieties & Shapes which may contain different sorts of materials, many of which are separated from Each other. There maybe Sold tumors, Encephaloid, Colloid, or seinhus. These temors are frequently difficult of diagnosis. In Simple drupey of the ovary, the best lan is to let the case alone as long as possible, asthe disease is not malignant; tas the accumulation is gradual the parts generally accommodate themselves, to some Extent, to the

maintenance of the dropsical effection; & but little is to be expected from medical treatment. As length a period arrived when the patient is So uncomfortable that an operation is required which Consists in the wacuating of the fluid by the trocar; when the patient should be kept in the recumberet posture, & Systematic Compression should be maintained for some time to bring the walls of the cyst as much as possible in contact with Each other; using also Cathartic medicines, + Sorbefacients, when reaccumulation may be wanted off for a certain time; but at some future pries the fluid will reaccumulate & tapping hill be required again + again, perhaps 2 or 3 times in the year, I at the End of a few years, the patient may perish. Then the cyst is multiloular, tapping will be unavailable. Some Eurgrond recommend to Extripate the ovary in Such Cases. This operation is performed by the large or Small incision. In the first operation, the incision is made from the Enciform Cartilage to the pubic Symphisis, I sometimes the incidentus been carried to the extent of two feet, and the other operation ther Small incision is carried from the neighborhood of the umbillies down towards the Superphisis of the pubic bone, a few inches in length These operations are usually attended with the loss of very little blood; of

their is, comparationly, but little pain afterwards. The great danger after The operation, is peritornal inflammation, which is liable to Experience within a few hours, or a few days, after the infliction of the wound after making the incision, unnultrate the tumor by means of the hand, down as far as its attackment to the lower part of the polois . Then east a ligature around the pedule to prevent hamorhage, taking care to cut off one and of the ligature close to the knot, & bring out the other and at the External mund. never aproate where the tumor has formed large adhasins. When the tumor is very bulky, rapid in growth, I the health of the patient is much deteriorated, the tumor has better be left alone. In Case of the cych formation, when the patient wishes it very much, some fluid may be drawn off one day, + a few days after, the Small incision may be made. After the tumor has been removed, approximate the Edges of the wound by means of the twisted outers of the interrupted suc tions, introducing a number of stout long needles which should be caused through the musciclar substance close down to the peritonium, introduces ing between Each two needles, an interrupted Suture; place long strips of adhreivs plaster from one side of the abdomen to the other there acompress + abandage. Watch against peritoreal inflammation

and when it arrives, treat the case the Same as when it arises from any other cause. Fractures are of constant occurvener, in every Community, at all Seasons, in both Sifes, I in all clapes of Svirty. This bones are liable to various diseases of accidents, of the different forms liable to occur in the soft parts. A Fracture is a solution of Continuity of the bony tiesur. Fractures are divided into Simple, Compound, Comminuted, & Complicated a Simple fracture is one where; although there may be injury of the Soft parts contusion, lacration, or a round; There is no communication with the bone + the External air. a Compound fracture is one where the opening in the Soft parts Communicates with the seat of the fracture. a Comminuted fracture is one where the pieces of bone are broken into a num but of fragments; and a complicated fracture is one where the solut. in of continuity of the veseous tissue is a companied by more or less Serious injury of the Soft parts, which may be bonised, cut, or locerated; oran important joint may be laid open, or there may be supture of an artry, distruction of news, & other Complications which may our in any manner. The Einiple partice is usually the most Easy of management + the most litely to terminate in a Succeptul

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cure. A compound fracture is more dangerous, for the bone may be Exposed for a considerable length of time to the contact of the atmosphere; or the bene may have printiated through the soft parts, I loving its printerion browne covered with dist of foreign matter. a Comminuted fracturisas Erious anident, breause piress are detached which will act as foreign substans cro, producing inflammation, mortification, or abscras, until they are finally disposed of Either Eportaneously, or by the efforts of the Surgeon. a complicated fracture is much more Serious than a simple fracture. [XLIX] Fractions assume different directions. They may be oblique, transverse, or perpendicular, their relative frequency being in the order Stated. The longitudinal fracture is very rare, but when it occurs, it is in gun shot wounds most particularly. The transverse fractur, also is very "uncommon while the oblique fracture is the most common of the most difficult to maintain. All portions of the streletin are liable to this accident; but the long bones suffer most frequently, particularly at their shafts. The Expreptiones of fracture are usually characteristic. There will be paint loss offunction, with more or less turnsfaction. The pain varies in its character, in its duration, according to liceunshances dometines the patient is made aware of the accident, by a pesuliar noise pudued by

throughding of the bony fibres. The most important symptoms are deformity, perternatural mobility of expitation. Orformely is not alway present, but only when there is marked displacement of the ends of the fragments. a parture mayorem without any displacement. Sunstimes the fragments overlap Each other; + there may be displacement of a limb without any fracture Portunatural mobility is generally present except when the fracture is incomplete. There is usually, carpitation, a preciliar grating horse + Sound, which is the most reliable Symptomofall, Expecialywhen hertemat usal mobility + deformity Exist only slightly, ware Entirely absent. The grating which takes place, is exembled that which results from subbing togeth: En two pirers of long Sugar a other porous substance; the noise bring purduced by subbing together the ends of the pagnists, I to bring it about it is neededay that the ends of the broken bone should be in apposition with each other, I there can be no curpitation when the fragments overlap Each other, until Extrusion of Country Extrusion has been applied the two fragments are brought into apposition. The noise Can be both felt & heard. This is leable to be confounded with the noise arising from other causes, for there maybe a synovial purch in a state of inflammation containing a considerable amount of fluidor Small fibrocartilagenous bodies, + then a premiar horse is ilicited which may be

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mistation for crepitation, but it is generally minet obsess detination heren the fractions take place man an articulation, there maybe a sound something Similar but has distinct. The swilling usually excells in part from an offucion of blood, if there is a lauration of some of the blood vressls in the vicinity of the fracture, the quantity sperying from a few drops to a number of ounces; 1 of Some times clapses after the occurrence of the injury there will be ourling from an aumulation of Congulating lymph & from an increase withe Size of the vissels. The ends of the fragments are liable to be displaced from various Causes; & among the must important are museular action; the wight of the link, or of the body; + the vulnerating body itself. Inan oblique fracture, the muscles as a general rule produce the displacement of the fragments. The wight of the body, or the wight of the limb may displace the parts as is Evident in fracture of the Clairle. The vulnerating body may perdues displacement, by housting the fragments asunder, as when ablow is given on the nose. The Causes of fractions are predisposing or Exciting. The predisposing Quees have reference to the Constitution of the descous tiesur, when atrivial Heiting Cause will produce a fracture. Panonis diseases predispose to facture as veronday or testian Exphilis, which often enders the osseons tissur Estermely britle. In Cancerons diseases the Same

circumstances our tractures are liable to our in softening of the skeleton. Presons debilitated from long courses of mercury may become predisposed to this occurrence Especially if they have been Suffering from Syphilis. Old age is a predisposing cause when the bong matter usurps Hisplain of the Soft Substance + the osseons Eyetemberomes Estromely bridtle. The shiting Causes are musular action of Esternal violence, the latterhourse bring the most Common Cause, which may be produced by a fall, by a blow, or by a Kick from an individual or an animal. a brother four is repaired in princifele, the Same as the process in a wound of the Safe parts. There inflammat. ion, with the ontpouring of coagulating lymph & the organization of his sidetance The blood effects is absorbed, but this is not offerted all at once, because in. mediately after Such an occurrence, inflammation in the in this hone tin the surrounding soft structures other absorbert resels must be trefit in a state of abryance so as to interrupt their functions of some days may thus daper before this efficied blood is disposed of. If the Ends of the fraction have been carefully brought togethers this process of runion will go on morrapidly, + if the and are harmitted to Separate to a greater or less Extent a much longer time will be necessary to effect this End, & yet reunion is nor impossible. as nuture proceed in her procep of absorption of inflammation, plactic

matter is poured out in the first place around the Ends of the fragments, between the fragments of the privateum which is always deparated to a greater or less strent, & the lymph gradually becomes harder & harder, until at length, it is replaced by bone precisely like that which Exists in threends of The fragments or in any other portions of the long theleton. The lymph sines merely as a nidus or receptails for the deposit of the Substance, of the System of the patient is in a back condition, orig the case is improperly treated nature will be thwasted in has efforts, + much time may Elapse before Consolidation will be completed. The matter then formed or exmbling the natural brong tissur is demoninated the callus of the brothen bone. Ir encloses the Ends of the Sagments & it remains a certain length of time to preform a certain purpus to cornerat the ends together, I consolidation having taken place the Dallus is gradually removed, having breome useless. Is has therefore been Called the provisionary or temperary callus. There is an internal definitive Callus which is slower informing than the External Callus, for between the Ends of the fragments there is comparativelybrit little Effusion of Coaquilatinglymph I finally there is but little bony matter Secreted here. In proportion to the accuracy of the apprecition will be the Small Size of the External Calless. Incretain parts of the Steleton there rever is aprovisional Callus, +

very orldom a definitive Callus, as is oven in the next of a thigh bone, withe bones of the seull, in the acromion process of the clavicle of the obseranon process of the ulna. The reason is on account of the great difficulty in effecting apposition of the ends of the bone of on account of the presence of mor or lep Synovial fluid, talso because the vascular Supply is cut off in a great measure, & when lymphis pouredout, it is small in quantity & does not undergo transformation as readily as in other parts of the Skeleton. Enterating fractures; bring together the Ends of the fragments of maintain Them in this way by appropriate apparatus; the first object is accomplished by Extension of Countries francis alongwith Coapitation; of the Second, by the application of bandages + splints. Bysyltenium is meant the fire necessary to remove the infriirfrom the Superior fragment; the Countre Ethneion the fire necessary to prevent the appenhant of the limb or body from being drawn away + drawn down by the Extending force. Infractures the However is usually made at that portion of the limb which is articu. lated with the inferior fragments of the Counter Extension is applied nothdirectly to the upper fragment, but higher up. The Surgion should proceed as Cautionaly as possible is as to inflict no undus pain in the part, rurany undus violence. The extravior should be made slowly

gradually, first in the direction of the displacement, + afterwards wither direction of the axis of the link of the fracture be a Severe one, or the patient timorous + nervous, frist place the patient under the influence of an anaethetic of when it is possible to do so, but the limbas perdily as possible, liking no time, som when the pasts are in a state of inflammation I in a state of Considerable timefaction, at the first visit to the patient. phan Called to a case which has been neglected for some time the Sugron must now wait to reduce the inflammation before heattempts the orthing of the limb. A most thorough Framination should always be instituted so as to Establish a Satisfactory diagnosis. Is Great defermity is offen produced by the orrelapping of the Ends of the fragments. This is usually the result of muscular Contraction. There is an angular displacement, generally when the fractions involves the nset of the long bones, when the head & neek are placed at a right angle with the shaft of the bone. It is generally formed by the breight of the body + the manner in which the fracture occurred. Occasionally the ld pagments are displaced in a lateral position, + the inferior fragment generally rotates upon the Superior Their is also an impacted fracture where thousek of the bone is driven into the shaft, other therewill be

generally, deformity + shortening, but the patient ligther fracture is in a lower stermity) will generally brable to walk after the accident. Somehimes the fracture occurs in other portions of the bone when one Extremity is driven into the other. The Elamination Should always be made in the most therought careful manner. The Examination should always be made as speedily as possible + if there is any doubt as to the matter the Sugron Should Call in proper Countel. Various means are Employed to maintain the Contact of the broken bone. It is proper, in all cases, to Set the fracturas raily as possible without any delay, Even if Some time has elapter after the occurrence of the injury, + Even when there is a great amount of injury; for where this is reglected there will be greater danger of Sour inflammation Inapplying the dressings be careful not to in. flick grat injury on the parts + make allowance for the resulting inflammation + the consequent tumsfaction. There despings should be Care= fully watched. The burdage is employed merely to moderate the treulting inflammation, I by controlling the muscular action, to Control or prevent Spasm in the part. The barrage should be applied in all cases of fracture where it is presible to use it, applying it lightly at frist & more firmly afterwards. The bandages are most Commonly composed of nouslin or

linear, or of firm word, but whatever material is employed its orlings or hand border must be removed; I the bundage should not be enade of Himsy, thin, material, but it Should be rettere stout of firm . The bundage should be firmly rolled For this purpuer take hold of one and I roll it up tight I throwoll the west tightly in it. The bandage should be applied always from the distal portion of the affected Externity; + if a great amount of smalling is anticipated in a Superior Extremity, Each finger as well as the limb should be involved in a distinct bandage of then another to large bandage Should be continued up as far as necessary. The bandage must be applied Equably + uniformly in Circular + reverse turns. Firther purs par of perornting motion in the affected parts, splints of various kinds are Employed. a good Eplint may be made of Common pasteboard as in fracture of the lower gaw bone, thick pastaboard, dipped in hot water, + then moulded to the parts another variety of Splint is made of binder's board, thick, text into a proper shape, length, twidth, which Canbe ace conately moulded to the part. This will answer in fractive of the fores arm, tin many cases of fractive of the lower extremity. another variety is the felt splint, which is rendered hard, firm, telactic, by green Shellae, & by plunging it in warm mater, it may be accurately monthed

to the part. Another Substance is hove, which is Employed constantly, when it is recresary to keep up Extension + countre-extension in the part. Three Splints vary in Size according to circumstances. Tin Cares are user a great deal for splints. For the purpose of waiting off pressure from three splints, there should be interposed between them & the parts to which they are applied hads, or Cuching or Compresses, which may be made of muslin, linen, or Calico Simply welled up, or made into bago, & filled with Chaff, Sawdust, Cotton, mors, or Something of that tind. There is another Continuer occasionally employed to maintain Extension, & that is Common adhesion plaster when the inging direto the Soft parts is so much as nor to permit the application of the splint ordinarily Employed. The dreppings Should be Flamined from day to day until the danger from inflammation has Subsided applying them loosely in the first instance of more firmly as the treatment progress. The main object in all cases is to prevent deformity to maintain as accurate an apposition between the ends of the fragments, as possible after a critain period has clapsed from the time the infiny has bern inflicted, it becomes necessary to institute passive motion in the Contiguous joints or there may be rigidity or permanent anky losis Remove the drepings, wach the line well, + place upon it Some mild

stimulant to stimulate the absentent vessels to about the coagulating lymph. Then mive the limb gently. The time at which this should be done will vary according to the circumstances of the case. There the Core is Complete, take off the apparatus, + Continue the passive motion until the parts originally affected + those verondarily involved are all healed. Do not premit the patient to get up as soon as the oplints are taken off (in fractures of the lower streme ities) but after a while let him move gradually about the room on his authors, + afriward, when able, let him go out occasionally into the ofrenair. The antiphlogistic treatment must be employed to some Extent in any case of fractive. In Case of Compound fractive where there is a would in the Soft parts, Communicating with the broken fragments, the object is to Convert the fractions into a simple fraction, by approximating the edges of the wound in the usual way of then treat the parts antiphlogistically. Employ Sutures & adhesive Strips to promote reunion & in this way Cover up the rehamities which have been Exposed. Sometimes the end of the bone project for Engaged by the Soft parts, muscle, tridon ore tim. In Such Cases endravor to effect reduction by extension of counter Extension, toy be use of necessary, of the probe pointed bistory. It occasionally happens that the bone thus properting is drawn so of its princeteum trong shoup,

I that this portion is corred to some Extent with dirt so fine that it cannot be got rid of In such a case it may be necessary to cut offa little portion of bone, to put it in proper shape, + thus be able to effect better apposition, but almays save any projecting portion of bone, if popells a fracture may exist in complication with a dislocation of then the rule is always, to reduce the dislocation, before the fracture is set. a fracture is occasionally complicated with the breion of an important acting or a large vin. The hemmorhage maybe ofen in its character when there is a wound, or it maybe concealed, a large quantity of blood being effected among the muches, or between the muscles + the broten bone, or between the stien + the muscles. Then this is the case, it may be necessary to apply the ligature repartially if the homonowhage proceeds from an ofen refer. If there is reason to believe, from the character of the hemor. rhage, that a large artery has been laid open, the blood has not an opportunity of passing out the best plan is either to cut down through the parts, + seek for he bleeding vessel, or to make an incision over the main trunk of the artery supplying the affected part + to apply the ligature there. When the blood proceeds from a vin, it can generally be armedied by Systematic compression some times the bone is Comminuted & when the pires are orparated, they mill act invariably as fireign bodies of may produce absell a Extensive int flammation, of therefore, the rule is always to remove these portions of bone, Ese pecially when the fracture is compound. A fracture may be accompanied with great lawration, there may be awound, a joint may be laid open, the bour , may be Extensively Comminuted; the main artery or never of the limb may have been at the Same time laces ated or injured, I in Such a lace, the accident is of a Simus character, likely to destroy the patient if an attempt is made to Save the limb; the patient prishing from the violence of the exsulting inflam: mation, or from profuse Supportion, whether from of from Some other Causer. If the fracture is Comparatively slight, an attempt may be made to Save the limb, especially of, at the time of receiving the injury, the patient was in good health, of temperate habits, when the weather is not likely to she haust, I where there is no likelihood of Engipelatousinflammation + telanus. Fire amountation of the limb is decided upon, the rule is to perform primary ampritation waiting until the patient has recovered from the effects of his injury; I the lint is amputated when reaction has taken place; + if there is a tendency to mortification, the operation Should not be delayed for the appearance of the line of demarkation. Then an attempt has been made to sair the limb + Estension Suppuration has taken place, + the patienties ice litesly to be destroyed by hectic fever, constitutional initation thy the profess

drain Established upon the System; cut off the limb to saw the life of the patient. Fractures occasionally fail to unite from various Causes, which may belocator Constitutional, or both Combined. Among the local lawers of The want of union are incorrect apposition of the Ends of the pragments of the bone. A may occur from blood, or Something Eler liping between the two Ends of the fragments of bone, which the Surgeon may not be able to prevent. another Cauer is the Continuance of Cold applications for a long time which are often used as antiphlogistic agents, which may interpre with the expanatory process in a newous individual, the resulting inflammation bring insufficcont or the patient may have lost a great deal of blood at the time of the injury + the hart + the System may have become impoverished; or the Sugeon may have employed leaching + the lancet to too great an extent a person may have Typhilitic disease, or curry, or a Scrofulous condition of the Steleten interfring with the exparative process; or he may have been subjected to a protecuted Course of mercury, of the System may have become inferbled, both in the Soft parts of in the skiller Many Surgeons think the occurrence of hurghand a sufficient Cause for want of union. Fractures occurring in old present well, other things bringiqual, units with more difficulty Than fractures occurring in young Subjects; and fractures in old

presons, in critain portions of the skeleton never unite by bony neather. [II] The union may be pretouned for several weeks or months according to circumstances. Sometimes this occurrer is delayed by the injudicious apr plication of the bandage when the ment of union is proteated, the End of the broten bone are rounded off, I a sort of artificial articulation is formed between them. When there is wason to suppose that mant of correct appose Sition is the cause of nonunion, this must be Endravoured to be convited bylinging the ends of the bone Carefully in contact, I maintaining them in their position by appropriate dropings of the interposition of a piece of broken box is the cause, it must be removed of possible, Especially when the facture is a compound one of the health of the patient is in a state of derangement, end raior to artify it. Occasionally the laws is inappreciable of then the patient must be treated on general principles of the Case is likely not todo well after the Expresse of tow wrets it is a good plan to apply pressure along The ununited extremities by means of a Compress to bindrisboard splint binding them together by means of a roller. If this does nor answer, try and utions the tireture of Lodine, or Some Stinewlating Sorbefacient liminent Such as Teamvilles lotin, or Soap linement alongwith the lineture of Lodine, or a blister maybe Employed. another operation while maybe

performed, consists in subbing the Ends of the broken bone upon Each other, b First place the patient under the influence of chloroform; take hold of of the portions of the limb articulated with the fractured Ends , trut these Ends together to wheite initation in the vessels of the affected parts to induce than to how out the requisite quantity of Coaquilating liproph; then place The lime + the part in proper dessings. Unother operation Consists in aster princeturation with the proper instruments, which should be Conied down between the ends of the fragments to break up the morbid adhreions between them Or a delisate trocar with a Cannula maybe introduced the point Carried about in different directions to break up morbid adhesions, & afterwards there may be Easily introduced through the Cannula Some Stimulating bluid, as the tincture of Lodine. Or the Galvanie fluid may be applied direstly to the part + thus stimulate it. In Cases of a mure protracted character the best plan is Especially after the ordinary measures have failed, to recent to the introduction of a seton. For this purpose the patient must be placed under the influence of an anaesthetic + then making the Estension + counter othersion to draw the Extremities alunder, take a needle about Eurg inches in length & Spear Shaped at its Extremity, armed by a piece gribben, muslin, linen, or Calico well viled, + pass it between the Ends of the

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in, broken bone In performing this operation do not Carry the instrument though any important otructures, Such as a large artery, nerve, or view This forige set. Stanes must beretained for a certain length of time Occasionally the instrum ment Cannot bepassed between the ends of the broten bone, + then it istate passed as close to the ends of the fragments as possible The inflammation Enewing must be kept within moderate bounds. Fan the patient, Keep him at rest, + immediately place the line in appropriate apparatus + terat the Case upon antiphlogistic principles. If the Case is of long standing the instrument must be retained for several weeks, unless there is infiltration or great constitutional disturbance when it should be removed; but if this does not take place, it Should be allowed to remain until Suppersale ion has been retablished. Another operation to that genising the Ends of the broten bons which will be particularly necessary when the Case is of long Standing & the Ends of the bone have become tipped with filrows matter, or filso cartibage This operation being not without danger Should only be performed when absolutely necessary. another operation consists in piering The ends of the broken bine by an and shaped instrument. Make a little incision through the skin & Carry the instrument down to the End of The broken bone, + pines these Ends in different directions, hasting the

instrument also between the edges of the bone, to break up any adhesions that may whist there but this more of treatment is only adapted to carry reent standing. Fractures of the hose. The naval lower are liable to be fractured from falls, Kicks, orblows, which are fragmently Compound or complicated. The fracture is always made by direct vidence. The fracture is frequently driven back into the nasal Cavity, I unlif properly attended to Therrent will be verious deformity not admitting of any remedy. Thetreat. ment consists in moulding these bones, putting them into proper shape, which Candalways be readily done by the fingers, of therefore peopler instruments are recreeasy, of which the best is the female Catheter passed up into the hostril in the direction of the displaced bone, bought in contact with the inner Surface of them the bone is raised up to its proper level + afterwards morelded into its shape by the thumb + finger, while Counter pressur is Kept up by the Catherter in the cavity. Then the tendency is to reed or become depressed again, the proper plan is to take a Stout adhesive plaster, as of but skin, + pass it from our side of the chiert to the other chark directly aurop the bridge of the noer taking care that the bones are first properly moulded to their natural shape after the plaster takes a firm hold it is impossible for The fragments to become depressed again. Prever under any circumstances

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introduce any foreign Substance into the rasal Carity to maintainthe hauts in their proper picition of the Case has been complicated with a wound, the hound must be treated upon general principles of their isverious homershage, the nostrils may have to be plugged for a day or two If there is concupion or any various inputy of the brain, it must be treated upon general principles. When the inflammation is Severe, Employ bleeding + the ordinary antiphlo. gistic remedies. The Lower Jaw bone is liable to be fractured in any portion of its extent. In the spring subject it usually gives way at the Eymphypis. Generally spraking, fractures of this bone are the result of Evers injury. The fracture maybe oblique, transverse, or perpendicular, it maybe Simple, Compound, Comminuted, or Complicated. The texthe frequently suffer very viriously, being Sometimes wholly detached, + at other times hartially loosened. The most common Seat of fracture is the body of the bone. Movevering duerd, the Sent of parties is usually, Easily detected, there beingall the or dinary phrumana & frequently inegularity inthe dentalante Months treth airlowened or thrown out of their Sorkets, the rule is to person theming pursible. If the fracture is situated, at the body of the bone, at the Symphysis or at the runner, a simple more treatment will suffice to maintain ito position a good aplint to to Employed is a piece of pastitioned, long

Enough to reach from one side of the fair to the other, I long Enough to Ext: tend from the Myind bone to the chin or a little beyond it Enclarther splint inapires of muchin or patent lint + apply it to the affected part of maintain it afterwards by a bandage. a piece of Sutta perelamanghe weed proposely moulded to the part, to firm a Sort of bagto receive the bone. This must always be Confined Either by a roller, or by straps of bandages of buckles. The object is to karp the infrient rath in Contact with the Suprien teeth. During the progress of the treatment the patient will be unable to masti-Cate food, the must be fed upon slops, broshs, milk, & cumbs of bread wilk, + gurl, tapiais, Sago, gillies + Similar articles which may usually be introdur'd without any difficulty into the mouth were when the texthepre-Serve their integrity. Under no circumstances remove a took for the purpue of withodining nutriment into the mouth. When the fracture involves the alveolar prolepes, Especially when it is of the Comminuted character, there will be difficulty in maintaining the Ends in Contact; of then a good rule is to get a stillful drutest to apply gold or silver mires to the contiguous texthe; na silveremith na dentist, may facter between the textheprice of silver having the shope of the fairfe the cheeks this continuous holding the parts formly to Each other, otherwise a perfect aux may not result.

[LII] a Fracture at the neet of the bone is difficult of diagnosis on account of its deep Situation, bring Covered by muscle of the parotid gland, but it may usually be determined by taking hold of the bone, pressing the thumb upon the dental arch within the mouth of grashing the body of the bone on the outside, at the Same time, the finger is applied at the Supposed point of fracture, I drawing it forwards + backwards, cirpitation may be precised & felt, & there is much more mobility than there would be in a case of dislocation Interating a fracture at this point, two compresses must be applied, one behind the angle I the rannes in the gutter formed by the fawtone of the Sterno, clitomastord muscle; + another on the outside Extending from a short distance below the angle of the bone, to Some distance above the Gle. noid Cavity of three Should be Confined in their position by appropiiate Contrivances, takingparticular Care to make proper Come pression Fracture of the Clavicle. The clavicle is hable to give may at different portions of its Extent must Commonly at its mid dle, a little toward the acromium process of the Scapula. This part. we is usually oblique. The Symptoms are characteristic; the fracture may almost always be determined by the attitude of the

patient. The shoulder of the Corresponding side is depressed, + thrown forward & inward lying nearer the stermum than it does in the natural state, which is due in agreat measure to the weight of the corresponding limb. The inner fragment usually maintains its position, though it may, on some versions be drawn upwards. This fracture usually unites in the Course of 4/2 or & works somen or later, depending much upon the age of the Subject. The patient is un: able to preform the functions of circumduction, except when these is little or no Separation of the fragments. This fracture occurs at all privats of life. In the treatment the object is to throw the Shoulder experienced, outwards, + backwards in the direction opposite to that of the displacement, to retain the parts in this position by appropriate up. paratus. It is generally necessary to make use of a wedge chaped pad, long Enough to Extend from the arm pit to within a short distance of the about joint of the base should always lie in the apilla. It should be about truckes in width + from 1/2 to 2 h inches in thickness. at its base at Each Corneris a tape by which it is tied to the body, one End pulsing in front of the other behind the class of tied beneath the other apilla. fare must be taken best it slip backwards from the textella, of tomain

tain it more Securely it is well enough to Confine it by a few turns of the role for Confine the limb afterwards by means of a coller several inches tride, Commencing the application directly across the pad. The limb should be so placed that the fingers of the hand should point to the opposite should, the elbow lying in front of the chest. Often a while change the turns to the preparational direction passing down in front of the limb & underwards the elbow On appropriate apparatus has been made in the form of asleeve Supplied with Sward strings by which it may be confined in different directions. There are other apparatuses for this purpose.

Fractures of the Scapula, though seldom occurring, may take he place in any portion of its extent. There is generally a slight clongations the lines the arm being drawn away from the choulder joint, when the acromion is fractured as is most Commonly the Case. There is a flattener ning of the shoulder frist & delton muste. To determine the diagnosis at trace the spine of the Scapula towards the clairle be, take hold of the arm at the elbow & acise it to its proper position, & bringing the said of

the fragments together, elicit confitation. In this variety of fracture

the Same apparatus is Employedinits tratment as issued in factured

in clavile dispensing with the afillary had lest thearm be theorenter

for outward & not yield adequate Support to the depressed acromion hovely. The union here is generally fibrous or fibroligamentous, talong time elapses before any union takes place at all the bandage must be Continued for 8 or 9 weeks twen longer. In fracture of the neck of the bone which is so rare that its very Existence has been derived, the Henoid Cavity & the Cornered process are drawn downwards the Superior Et = tremity is clongated from han inch to an inch; the shoulder is flattened + the injury assimilates a dislocation of the shoulder joint , + a partie of the neck of the humans which are the accidents with which it is lias ble to be Confounded of from which it may be distinguished by a Carrful Hamination , as to the outline of the aeromion process which will be found to be unusually prominent to maintain its integrity. There is an slong ated condition of the Superior Extremity. Laking hold of the Elbro, thering the limb forwards towards the acromion process, the parts Can be brought to their natural position, There is more motion than is present indish. Cation . Prefitation may be present to a greater or less extent, but it is " usually Comparatively slight. The Same process is used in the treatment to as in the fractured Claville including the had. Fracture of the In Coracord provess is very infrequent & Can only take place in course a queries of violenes applied directly to the part . In the treatment, the object is to bring the limb insuch a position as to what the pectoralis, Corner-brachialis, + the Short head of the biceps musele & Enable the por Cras to be brought in its proper position. The line should be brought in the position directed in fracture of the clavicle + thus sustained. at the Same time a Compress may be employed diretly over the Coracoid process which should not be confined to firmly lest the bone be comprefeed below its natural level. Is is not necessary to apply the pas in the apilla. Fracture or asimally or us at the inferior angle of the Scapula us. wally from Sternalviolence. There hill be pain, Controlin, offen a wound I the fracture may be comprised or Comminuted. To Establish diagnosis take hold of the inferior angle of the bone with the thumb of finger very finily of push the humerus upward so as to move the top of the Scapula to take hold directly of the acromion process I more it; if there be a sature, the lower portion of the bone siezed by the thumb & finger, ee = mains stationary, while the upper portion will more upon it In the treatment of this fracture apply two Compresses, me along the atclay burder of the Scapula & another along the vertebral burder, or between - the border of the Spinous processes of the vertebre, a broad of thick

Compress. Then the arm must be confined to the side of the trunk as in the previous Cases, dispensinguithe the pad. IIII The ribs are liable to be broken, generally by direct sidens applied to the part, but sometimes by fine applied indirectly, The upper ribs being in Some degree protected by the claville are less liable to fracture than these below, + the 11th +12 " ribs are Said to be less liable to particle than the others; but all the ribs are liable to be fractured; done or a number may be broken Sometimes the ribs are broken by lateral pressure. The factories must liable to occur at the most Comry pation of the ribs, although it may take place in any portion. The symptoms are usually Sufficiently characteristic. In the 1st place; the patient usually Complains of great pain, aggravated by a deep inspiration of by Coughing. Ingly Crepitation Cambe observed by placing the fingerover the seat of suspected injury of making the patient take in a full inspire. ation, of there may be Some inequality in tracing the outline of the sib. If the patient be very conjulant or very musular & if the fractive is Seated for back there maybe difficulty in determining diagnosis, as there will be less displacement of the fractive will be seated eather deeply. When there is don't in relation to the Case's the symptoms are

Severe, the rule is always to apply dissings similar to those employed when it is Cretain that a fracture does Exist. The displacement is usually out. wards or inwards. The fracture may be transverse or oblique Simple, Compound, Communited or Complicated. Sometimes the sharp end of the fragment is driven in so as to wound the Costal teven the pulmonarypleus ra, & Even the lungs Do as to give occasion, Dooner or later, to Emphysema. Then the Case is thus Complicated, their will be likelihood of plausitis or plunisy, + promining of their will be an initating topasmidie Cough. There may be an injury of the intercostal artery of there maybe more or less Copions hummhage. In the treatment of these fractures, the great principle to be observed, is to make the patient brathe by the diaphague So as to rander the interestal muscles very passive, notallowing the Slightest degrar of motion, Especially when there has been besing ris. The pleura, or the lungs, or both. For this proper Employ abroad bandage aided by a compress. Or take a stout piece of muslin long mough to Encircle the body several times, confining the Ends afterwards Soas to accomplish the interided object. The object may be accomplished by means of a piece of broad adhesive plaster, Carried wind the body So as to Emirele it + thus the requisite degree of pressure may be made,

But the great objection is that the ashesive strip may prove intaking to the skind, leading occasionally to the developement of enjoyielators inflammation a good plan is always to apply a compress directly our the seat of fracture, especially when there is an External displacement The Compress maybe broad but Small of Consentrated To prevent the Clothorbandage from slipping it should be Confined by means of a Scape ulary, two pines of coller Croped over the Shoulders like a pair of Suspen = ders, attaching the Extremities behind in front of the patient has a lough give tailar imitie of morphine of the patient has Expreptions of planisy to, it will be necessary to treat him antiphlogistically, taking blood from the arm & by purging him; giving antimornials along with animpas. I restricting him in his diet. When the diessings are deranged they should be replaced. The patient should be confined to his worns for Several weeks. I Emphysema our, first brurath the skin, it will be readily relieved by making a few punctives. I air Should accumulate in the Conesports: ing thoracie Cavity So as to Compres the lungs & impair their respiratory functions it may become necessary to punctive the thoracie lavity to a Enable it to Escape. If there is a wound of the intercostal artery the case be a compound one, Serk for the vessel tapply the ligature; +

of this Cannot be accomplished, Endravor to Control the hemorrhageby Systematic Compression. any love pieces of one should be removed. The Sternum is occasionally broken, Either transversely or obliquely to Hometimes partly perpendicular. The inquiry Can vecen only in conse quence of direct violence. a portion of bone is frequently divinin towards the chest, I Sometimes the End of the fragments are Separated a Considerable - distance from rach other. Such a fracture may be followed by Severe inflammation of the chest; & Sometimes the patient perishes from the in-- juy inflicted, Either Soon after the occurrence, or at a period moreor Iss remote, The nature of the injury Cambe discovered by tracing the outs. line of the sternum with the finger. If there is no displacement of It the fragments, by placing the finger on the Seat of injury, & letting the patient take in a full inspiration, crepitation will be precived the by treatment is the same as in fracture of the ribs. Fracture of the Pelvie bones is occasionally met with, but the injury is aways of my a complicated nature, & Can occur only in Consequence of violence to directly applied to the part. It is usually Complicated with Severe injuy of the soft tissues remetimes with injury of the peline viscera of generally of the skin & muscles in this situation. In Consequence

274 of the injuries sustained the lesion is generally fatal. It is not always Easy to determine the existence of facture in this region. It is mas= Say in the treatment of Such an affection to pay particular attent in to the Condition of the Softparts, moderating the resulting inflaen = mation as much as possible by the Employment of antiphlogisties. Sittle Can be done as for as the fragments themselves are Concerned. of there is marked displacement, something may be done by nevant of a Compreso ta girale but generally very little Can be done by bandages. If there has been injury of the univers bladder, introduce a catheter into the organ to carry off the unine as Soon as it is passed into the bladder Fractures of the Spine are occasionally met with & mayoremin any portion of the vertebral Column In Such a Case life is destroyed almost on the instant, of there is more or les injury sustained by the Spinal mariow tito membranes. The fracture may involve any portion of the bone. If it takes place in the cerical vertibol above the It bone , the patient generally perishes in an instant in Consequence of the Suspension of the functions of the fornic nerves of theinging ours below the 4th cerical vertibre, the patient may live for some time, but he will be likely to have paralysis of the Superior Estranis-

ties, + perhaps, also of the inferior Apremities the may live a number of days. When a fracture occurs in the dorsal vertibre, there is always paralips of the infrier Estermities & of all that portion of the body below thereat of injury. There will be great constigration of the bourds, of the development of a large quantity of gas forming an inevenese topoparities. The winany bladder beingharalysed, the wine must be drawn off Severaltimes a day by the catheter The Same circumstances view when the injury takes place in the lumbar vertebra. Fray little Canbe done by Suguel interference in fracture of the Spinal Column wherever occurring The best plan generally, is to let the patient alone, texting the Case upon general principles; taking Care the resulting inflammation Shall be rept, as much as possible, within proper limits. When the lamella of the bone is depressed, the trephine may in some lases, be applied to Endeaver to remove the procep of bone & relieve the Compress. ion. Tohen the Spinous pruepes are fractioned of there is norternal hours place a comprepaling Each side of the affected Structure, + Confine the prosepes by means of adhesive Strips. Thould the bone be broken, + there is an External hund the rule is to comme the pieces in Fracture of the Cocyf occasionally takes place I Sometimes

happens in women between the ages of 367 40 in particultion, is from a trick, or a fall, Sittle Canbe done shelpt to bring the roges in apposition by inserting the finger into the lecture So as to place the parts upon their natural level. Keep the bowsls in a Soluble Condition tintuduce way other day an injection of Cold water or a slightly stimulating fluid while the upper bowel is kept in a con: fined Condition by a dice of morphia. So this for I'day or a fortnight. Fractures of the humerus may occur in any portion of the Hent of the bone most frequently at the shaft + about or near its middle. When fruiture ours in the shaft of the bone it may be distinguished by the deformity of the limb & the inability in its use, The infrior fragment is usually drawn inward although not necessarily So. Be this as it may, the link is generally somewhat shortened fleepitation Can be slicited. In the treatment the great principle is to give fresom to the Elbow, allowing it to hang down so as to draw the inprior fragment downwards. The arm maybe confined to the trunk of the patient should carry the forarm + hand in a sling, but the allow should nother Confined. Two splints answer for this purpose, one applied along the inner portion, I the other along the outerportion, confined by means of a bandage Canied

from the fingers. The tur splints are generally of binder's board with the Edges bevelled of The internal one should be long Enough to Extend from The inner condyle as high up as the axilla + sufficiently broad to Extend , see any halfway award the limb, + mould its shape by plunging it in warm water. Before it is applied it should be unapped in aspiece of cutting muslin, orlinen, the object bring to ward off prefuse, I prevent the parts from being chafed or irritated. Before the splints are applied, the limb should be morloped from the fingers up, tig there is great danger of Swelling ruch finger should be placed in a Separate bandage as well as the thumb. The bandage should be Extended up by Circular of reverse turns as high as the shoulder, tit may be crossed in front to behind to Confine it more firmly. Then apply the splint + confine it by the comainder of the bandage. The in arm is to be confined to the trunk by a Separate bandage. Then Support the hand + forearm in asling giving plenty of a son to the elbow the t parts may be well, without deformity, in Sor le weeks then a fracture involves the superior of themity of the bone, there occur all the ordinary phonomona. This fracture is liable to be mistation for dislocation ta Careful Hamination is always highly necessory To do this take hold of The elbow with one hand, to the superior Extremity of the bone with the

finger of thumb of the other hand, of moving the albor, crepitation maybe dicited of there be no fracture the Superior attentity will move in condo. nance with the inferior extremity. Sometimes, the head of the bone is brothen off, + at the Same time, diducated down into the apilla, or upon the anterior portion of the class of the bone is immoveably fixed there, the limb usually standing off from the body in astrained Condition. In treating this Case two splints as before, must be Employed LIV! When a fracture occurs near or at the joint there will be more of inflammation within it, & Consequently Such an accident if Ever so judi-Ciously managed will be a longtime in getting well; tas the treatment pus: grefers, permanent anchylosis must be avoided by instituting passive motion. buy much the same drekings are required as when the fractions occurs at the shaft of the bone . Jonfine the limb to the side of the body, the band of pream bring Carried in a sling Ir is not necessary to insert a had into the axilla. When the fruiture of the head of the bone is complicated with a dislocation into the apilla it is aserious accident seldom occurring; but in all Such Cases, the rule is to reduce the dislocation before to The fracture is adjusted . If the reduction of the dislocated head Cannot of be effected, it should be allowed to remain in its new position, then c

the superior stamity of the inferior fragment should be brought up if prosible into the General Cavity; thy instituting passive motion the under fragment may be wunderdoff, & thus, partial motion be restored. Is may be agood practice in Such a Case to cut down upon the part of replace the head of The bone in its former position + Connect the ends of the fragments people by together. Fractures of the Condyles of the humanes are normon? mon. They may occur in or around one or both condyles, the fracture sttriding into the joint, or nor Esteriding into the joint; or there may betwo fractures deparating the two Condyles from Each other. In consequence of the great protimity of these injuries to the elbow joint, there is usually inflam mation of the Synorial membrane, aft tobe followed by an effusion of e plastie matter which becoming organized, is apt to the together the acte' iculating surfaces leading to anchylicis of a permanent character. The diagnosis is generally sufficiently Easy, unless there is much himefaction + much pain. In the treatment of these fractures the limb had . Fetter be placed in the bent position, as it is best calculated for the main r tenance of the ends of the pagments in apposition, throughout the whole t of the Case. The best application, in these Cases, is a timesplint or Case a consisting of two pieces, which is adapted to the shape of the limb. The

limb must be bandaged up from the fingers by circular froms turns, I then the Case should be applied; the whole limb bring afterward cupported by a broad sling Extending from the fingers, to within a little beyond the about joint. The tim Case should extend on the one hand, nearly wh to the afilla, ton the other hand, nearly to the end of the fingers. The Splint is sucured to the parts by means of a bandage. Another apparatus is this as ctangular splint, Employing one on each splint side Secured by appropriate bandages. As the treatment progreges, the splint may be moved a little on a pivot, gradually bringing the limb in a straight lim. During the treatment passive motion must be instituted, taking of the dressings very frequently + texping the limb in a proper manner soas not to dis= turb the position of the fragments, washing the link, & applying to it some Stimulating liniment. Sometimes it may be needs any from the inflam = mation, to apply lesches to the joint. The lase must be treated on general principles, quarding the parts, as much as popule against inflammation, I when inflammation takes place, quarding against adhesions, breaking Them up gradually, by passive motion. The bones of the forwarm are liable to be fractured in any portion of their extent, tone or both may be brothen at the Same time The Radius is more pregnently

fractured than the Ulna. Such fractures are usually re cognised without The slightest difficulty. In the treatment of fractures of the shaft of the bone whether involving one bone or both, the great object is to prevent the Ends of Thebones from falling in into the introsseous space. To prevent this, make use of a splint by which the interosseous space shall be compressed; Or a thick long Compress may be imployed, laid directly over the interosseous space. The best splints are two pieces of shingle or similar substance which should be firm Enough, so as not to be softened from the applications made in consequence of inflammation. The splint should be long Enough to involve the fingers, the object being to prevent notion of the wrist, or of the fingers, terfing them prefectly rigid, Confining the Splints by means of appropriate bandages. The foreuron should be placed on the breast at a right angle with the humerus. The forearm is afterwards Carried in a sling during the whole treatment. The ulna is liable to be fractured at the olecouron, which is liable to be Enapped off I broken wither by muscular action, or violence applied directly to the part. This fracture rarely united by long matter, as it is difficult to maintain apposition of the Ends of the broken bons, + because there is an effection of Synorial fluid, ton account of the Supply of blood being cut off, from the Superior fragments.

[IV. In treating fractures of the observanon process, the limb must be kept a in the Extended position, so as to relay the muscle insected in the upper frag. ment + Control it to some extent until Consolidation has been completed. To maintain the limb in this position a splint must be employed upon the ant Enior Surface, long Enough to reach from the middle of the arm to the corresponding portion of the forearm + Several inches in width, properly pad. ded I confined by an appropriate bandage. Orvivas to this application, the apper fragment must be drawn down + placed in proper position to: wards the infrienfragment; of to keep it in this position, advantage may be drived from the application of adhesive strips 15 or 18 inches long, The centre of the strip being firmly applied to the upper extremity of the lower fragment, of the Atremities are croped in front of the fore arme a Short distance below the slow joint. The vecure this apprehimation Still more accurately; apply in addition a compress, usually a long one, placed in contact with the upper fragment + secured by means of a bandage extending from the fingers up, nearly to the axilla. Then place along the auterior portion of the limb the splint so as to render the allow joint perfectly immorable of papior during the whole of the treatment In this accident there is always danger of inflammation in the articet alation; & this should be tript within as me strate limits as possible during the treatment, to perbent the effected lymph from producing rigidity of The articulation of this is to be done by instituting at a Comparatively Early t stage of the treatment, passion motion Fractures of the inferior portion of the Madius an of fragment ocumence. The fracture offen extends into the interior of the first, of the fracture may Hist a Short dictionce above the joint, or a little higher up In this kind of fracture the symptoms are much the same as those of dislocation of the wrish joint The end of the bone may be drawn forwards & inwends, or up pard of backwards. The fracture may be complicated with dislocation of the frint. When there is dislocation, the reduction may be effected with little or no difficulty as there is no great musular resistance bry frequently there is marked displacement produced by the Separation of the Ends of the fragments. In the treatment of the different fractures occurring in this Situation, the Same dressings answer finall. An appropriate splint has been made for this purpose by No Bond of Philada which answers very well. The ordinary Eplint may be complayed when this is not at hand, sloping off the Extremities so as to Countract any tendency to displacement returbackwards or firmunds In the

284 first place always apply the bandage. After a certain period thedres. Sings must be taken off, the limb mashed well, I rubbed with Some Sorbefacient liniment, & passive motion instituted. Besides the line Each individual finger must be taken hold of, I its frists moved also. The bones of the Carpus are broken oursionally, always from injury diretly applied. The fracture is generally Complicated in its character, + offen So Sever as to orrasion necessity for ampedation; but an attempt Thould always be made to Save the part, unless the injury is of Sucha Sections Character as to be likely to be attended with the worst Consequences, if the attempt be made. The object should be to Convert, if possible, the fracture into a Simple one by using adhesine plaster to. It may be necessary to ap. ply leeches + various liniments to control the inflammatory action; the lind should be kept in anchoated position, the parts rept at rest. If the bones are displaced they should be pushed back into thris ratual position, which object law be accomplished by the fingers. Fractures of the metacarpal bones orasionally occur, repecially of thatton which sustains the little finger. Whether the fracture involve the sth or any other metacarpal bone, in the treatment the object is to use tus splints, our along the back part of the other along the anterior portion

of this bons, Extending from the inferior half of the fore arm. Or a curved Splint may be employed, stretched along the plemas aspect of the limb, + then apply a small parts to and splint directly over the seat of the injury, taking Care first, to apply a small Compress or apiece of Cocton over it to ward off pressure, & then binding the parts together approximationis effected + maintained. Fractures of the fingers of thumb may occur occasionally + at any point. The treatment Consists in Employing two splints; one long Enoughte Extend from a little beyond the wrist to the Externity of the affected finger, moulded as far as the finger is Con-Comed to the affected finger; and another splint (both pastebour splints) on the back of the hand which may be broader than the ofther of the Case

LVI. In some Cases of fracture of the inferior End of the radius, when there is a tendency to displacement, it may be necessary to apply a compress to treep the fragments of bone in their proper directions

A Fracture of the thigh bone may occur in any portion of its of that, most frequently in its Shaff Fractures of the body of tubone may occur at any price of life of are generally the result of violences directly applied to die part. The Symptoms are generally well marked

bring such as occur in fractions in other portions of the skeleton The fractions may be displaced in different directions or it may be impacted. The object of the treatment in all cases is to treep the bones as accurately as possible in correct apposition during the whole of the treatment. To accomplish this important object, the Case most be Carefully matched from time to time Especially in the Early part of the heatment, to ascertain if the drekings are properly applied I whether the parts are in appreciation The dressings should not be changed oftener than is absolutely necessary If there war occurs the elightest displacement, it must be remedied if possible, no matter how often it takes place. In the treatment of this fracture it is customary to place the limb in the Extended porture, to Keep up extension + Counterextension during the whole of the treatment. The fracture is generally oblique. In the treatment of fractures involving the infrier Sthemities, the patient must be confined for a cutain time to the recumbent posture. Therefore the hed should be attended to. Never place the patient in a bed provided with a Sacking bottom I fed Cords; but it Should be provided with Slats. Then procure a good mattrep of Soft material Such as Cotton moss or horse hair. Have over the neathers a sheet & secure it by means of tacks

to different parts of the bed so that it will not slip. The fillow should nor be too high. as the patient will be imable to rise for the purpose of Evacuating his bowels orbladder, The Slat Corresponding with the buttocks should be mider than the rest of in the Centre there should be a wide opining; and also in the matters of sheet a portion ever the opening in the Shape ga part, correctly fitted which maybe removed when necessary + the vessel being placed under the opening wacuation may take place without any danger of Soiling the bed clothes The patient should always have at hand a usinary. When the accident has recurred Some distance from his dwelling, of the patient has to be Carried home, the best plan is always, when possible to Carry the patient whon a furniture Car, in the bottom of which is placed one or two matteless, a Sheet & Several Comforties, & the patient should be driven very slowly. When the distance is that, he may be Carried on a Setter, a door, a large shutter, or comething of that kind In Carrying the tratient up stairs, two presons should stand in Each side of the patient; & passing thrinarms acrop the shoulders, behind the buttert & under the brilly, they should grash Each others hands making the bailors grip Three two other assistants should Support the lower Extremities

a proper apparatus abunda be procured to maintain of tension of Counter of tension during the whole of the treatment. The bed should be prepared of the dressings placed upon it in the precition of order in which they are to be used before the patient is placed in bed. If the fracture is simple the apparatus may be discontinued in the Course of on 6 mets, but the time depends upon Cucumstances, in the mean time instituting passive motion in the times at about the End of 3/2 or 4 horses Somer or later according to circumstances. At the end of a few weeks the patient may use the stand bandage of walk upon Crutches.

EVIL) In all fractures of the infrior setternities, the bandage should be imployed, usually extending from the trees upward by lived a and arrowse turns. In companied fractures of the thight legal peculiar bandage is made use of, the bandage of Scultetus. In certain kind of fractures the flexed position of the limburd be mut advantageous of the legals should be placed one an inclined plane. Fracture of the neek of the thigh bone within the Capsular ligament, is almost fraudian to old prople, to most common in the female, tit is usually the result of Slight Causes. It is characterized. It By

Everlin of the lind, Ind By Shortoning, varying from 1/2 to 1/2 + Even I inches arriving to Circumstances 3 to there is always approximation of the great trochanter to the crest of the ilium 4th There is less prome inance our the great trochanter than ratural; of their is mor fulling in the hip than is presered on the opposite Side There is difficulty in flating the link upon the palois. There is a change in the character of the are of the trochanter major. By Keeping up It trusion of Counter-Extension & bringing the pasts in apposition, Cospitation melle relicit-Ed in this variety of fracture there is ravely any bony union, & of there be any union it is by a febrous or febro cartilagenous Substance. In the treatment, if the patient is old, feeble, + worm out, the best things nor to apply any apparatus, but to place the patient in bed, + allow him to remain with the limb lying on an inclined plane made of pillows, bolstres, or Don'thing of that kind so as to make the limb as Comfestable as possible Then the patient is in good health & Comparatively robust, thringing should be treated the same as fracture of the shaft of the thigh bons. Ishen the fracture is on the outside of the Capsular ligament. There will be less Eversion, Shortening + displacement of the trochanter major. This fracture occurs at

any print of life tis generally the result of violence directly applied to the part takender often with Severe Contusion of the Soft parts. The treatment is Conducted the Same as fracture involving the shaft of the bone. In fracture of the great trochanter there is slight wordin . of the limb but no particular shortening. The upper fragment indrawn upward to the crest of the ilium & backward to the Sacrosciatie with. By drawing the fragment to its natural position & bringing it in Centact with the part from which it has been separated & then rotating the limb upon its a sis, faint corpitation may be elicited. In the treatment place the limb in the straight position, Confining it by the propreapparatus t place a compress directly over the brotten portion of bone, I confine this by means of a gutte or gudle placed around the hips. When the trochanter minor is broken off it is drawn whereast, I to Enable a Cur to take place, the limb must be placed so as to relax the muscles, over an inclined plane, that the foor may rest higher than the remainder of the limb; I the parts may be maintained by applyinga Compression the situation of the trochanter & Confining it by an appearance of the infrior of themety of the bone, the inflammation will setend note the print of may produce

permanent anchylosis; the injury requires great skill in management for the accident is often Complicated. The inflammation should be ver weed by the imployment of antiphlogisties. If the joint has been laid open, I the bone comminuted, it may be needed to amputate in order to sain n the patients life. In the treatment of these fractures make used the straight position, especially when the condespesare involved, to Enable the tibia to Serve as asplint. In Some cases where the fracture is above the landyles, the doubte inclines plane may be resorted to. Ulming the treatment when There is trusteney to shortening; it should be counter acted if possible, + careful manipulations should be instituted at different times. Fracture of the Patella is occasionally met with as the result generally of muscular Contraction & Sometimes of violence applied diretty to the part. The fracture may be vertical, obliques or transverse, generally transverse. The fracture maybe comminuted. In the vertice cal fracture there is usually little or no displacement, but the pagnets maybe slightly Separated from the action of the muscles. In the transverse fractive the upper fragment is always drawn up so that there is a gap directly in front of the timer frint which Can be increased by flerting the link. In the oblique fracture the displacement

is usually considerable, but it may be very light or Entirely absent. When perfundicular, the fracture unites in the Samesnanneras pact = wes in other parts of the body by bony Substance. In a transverse fract me the union is fibrous or fibro ligamentous in to character whe treatment consists in Kerping the four headed Extensor muscle in a Com: plete state of relatation throughout the whole treatment. astraight Splint is Employed properly hadded foreused by an appropriate bandage. apply the roller from the trees as high nearly as the tines, Extend the bry upon the thigh, I ben't the thigh upon the pelvis & thendraw down the upper fragment to get it in contact with the infrient Confine it by long & broad addresive strips, the first being applied a Short distance below the head of the fibrila, o brought above he suprior frequent & place it in a semicircular form. The next strip is placed in ! the opposite direction, to number of others to hold these more securely. Then take a long narrow rosse , tapply it over the Superior fragment immediately over the upper foir. Then apply the splints; but first the roller should be carried up arress the trues in the form of the figure 8 of these Continue the application as high as the grown & Secure the Splint to the back part of the limb. Blace the splint on an inclined

Mans, that the foot may be higher than the rest of the body. In about two weeks to half passive motion Should be instituted; tin Gor Jurets take off the splint of allow the patient to walk upon his cutches, the part may be supported by an apparatus mado of gum clastic Heather. The benes of the leg may be broken Singly or in union with Each other The Symptoms are usually characteristic. The Cause is usually violence diretty applied; but Sometimes it is the result of muscular contraction when the bones have undergone Some degeneration. The fractive may be Simple, Compound, Comminuted or Complicated. Fractures of the Shaft of Either love may be Easily remedied unless they are very oblique. When the fracture is unusually oblique & involves the middle of the bones there is aft to be anterior displacement. In the treatment of fracture of the tibio of fibula all that is necessary is to Counteract the action of the muscles by the bandage of a tru Splint Consisting of two pieces, one Conseponding with the legt the other with the foot being shaped to the limb. When the fracture is trans vuse onedly So, bandeging the limb in the cesual way up to the knee, apply a hadded splint to ever it to the line by means of a bundage, passed around the trues, around the leg taround the foot.

If the facture be obliqueit will be necessary to maintain Extrusion & Counter Atension by appropriate apparatus until Consolidation has been effected. When there is tendency to anterior displacement, this Should be Countraited by means of two Splints of binde's board or thick Sole leather properly shaped to the limb to Extend nearly from the Knee to the ande fint, well hadded + Secured to its place a compress being applied over the projecting End of bone. Attention Should be paid to the position of the heel which should not be depressed too much of this purpose Employing Compresses, or having a Conseponding Excavation in the splint. This treatment must be pursued no matter where the fracture occurs, when only one bone is affected, the displacement will be comparatively slight as the other bone series the purpose of a splint of there may be nonecessity to maintain permanent Estensione Hounter sttrusion, The big toe must always be on a line with the inner margin of the patella. Occasionally there is a fracture at the ankle joint when the limb has a tendency to rotate inwards + the footis inverted. The inflammation of the andle joint must be attended to, thesein motion Should be instituted at the end of 12 or 15 days, which Should be continued until long after the splicits have been taken off When

There is little injury in the Soft parts, Endravor to maintainsppositions the ends of the fragments by a few strips of adherive planter Carried directly across the Seat of fracture; & Carrying the bandage from the toes up, & when opposite the fracture apply a Compress oviit, I pass the landage across the ankle of instep in the form of the figure 8 of them place the limb in thatin Case of the the parts properly. The fibula is occasionally broten off a couple of inches above the antile when the foot is always inclined outwards. In the treatment the footmust be trept in an inverted Condition, & maintained thus during the whole of the treatment making use of appropriate dressings Consisting of aurage Shaped cushion Extending from the knee to the ankle, for this a splint long mough to reach from the upper part of the Cushion to a few inches below the Soley the foot.

then Enveloped in a coller in the ordinary manner When there is not much displacement the timeplied may be used with advantage When there is a compound fracture of the infinior themity, the wound must be treated whom general principles, making use of the fracture bed with moveable sides temploy the braw drepings, When the wound is

Such as to pervent the application of the Extending quiter adhesive strips maybe implayed with great advantage. The astragalus maybe brothen generally in Consequence of a fall from a considerable hight. It may be fruitured obliquely or transversely, of there is aft to be verious injury of the articulating extremities of the bones of the leg The fracture will be attended by the ordinary symptoms, the breath of the acticulation bring greater than in the natural state. The treatment must be conducted upon general antiphlogistic principles; then the parts must be moulded, of placed in a tin lass. Fracture of the Calcis is race, it may be theresult of direct irolence or of a violent Contraction of the gastron Emil mustes tother muscles. The bone is usually broten midway between the attach = ment of the trudo achilles + the articulating Surface of the actuagalus. The treatment must lumbract the tendency of the foot to extension using a splint placed along the anterior portion of the limb, Embring the infriis portion of the last the dorsal Surface of the foot, I then Secome the upon fragment in contact with the other by addresive thips Extending around from one side of the limb to the other. Then make use of a tolorably large of thick Compress carried along the food + Samuer by means of a roller Canied nearly to the truce. The roller

Should be applied fruit + than Ha splint should be confined by the remainder of the bandage. Alwing the treatment slight passive motion should be instituted. In about burshs take of the dessings & fruit on a slipper having a ringattucked to its heel portion to seems this by means fa Cord or Suitable bandage to a Strap Securd upon the infries portion of the thigh & let the pattent use a center. When the bones of the tarsus are broken there will be but little displacement + they may be replaced by Careful manipulation. When small pieces of bene are detucherd, they should be removed as Soon as possible after the occurrence of the injury. Apposition should be maintained by treshing the foot the leg in a state of repose. Fracture of the metatarsal bones are usually complicated with vivie injury of the Soft parts of it is generally nressay to amputate the foot but this number Should be Saved when possible. The bones are sometimes bent, generally in childun , is usually peculiar to the bones of the forearm of they are ocea. Simally met with in other portions of the stretton, there ordinary Circumstances, this cannot take place in adults. Thebones are usually Curved forwards & Sometimes the accident is Complicated with partial fracture. The treatment Consists in making Slight

by manipulation & passing, I than the limb is to be confined in the usual ways as for fraction. If there is much difficulty in Effecting replacement, Endrawerby antiphlogisties to relieve the inflammation of Enable the benes gradually to resume their natural position.

The Starch of paratus consists in applying the stand bandage ainto by means of splints. With this apparatus the patient is able to grabout on cruteties in 80000 doup. The treet here should be left fine to skew the Condition of the limb furn time to time. In fractures of the inferior strandities it is necessary to have some apparatus to have of preserve from the bed clothes.

A histocation involves a change in the relative picitim of the articulating surfaces of a bone This displacement may be complete or incomplete, primitive or consecutive, secent world, simple, compound, & complicated. By an incomplete luxation is meant a partial loss of the apposition of the articulating surfaces, Ser the complete form there is a prefect Separation of the articulating surfaces of most dislocations, there is a little Separation produced after the accident has occurred by the Contraction of the muscles, in the

immediate arighborhood of the affected parts of this Constitutes Consecutive distoration. a distoration is said to be old when a considerable period has dapsed Since its occurrence. A compound dislocation is one where there is a wound in the soft parts Communicating with the first; &a Complicated dislocation is one where there is great injury of the Soft haits or attended with fracture of the bones. hearly all the articular was are liable to disarticulation but those which admit of agreat variety of movements are most pune to be thus affected. The most Common gall is dislocation of the humans down into the a tilla The direction of the dislocation vaires according to the nature of the affected foint. In the orbicular frints, dieplacement may be upused, downwards, backwards, or inwards. In the ginglymus frints, there is dislocation backwards of forwards, of towards Each Side or laterally Dislocations are nor liable to occur with Equal forgurncy at all privats of life It is Seldon found before the age of 18 or 20 years; I in old people dislocations are not So Common as fractures. The period of life most Subject to dislocation is from 30 to 50 years of age. a Simple dislocation involves merely a displacement of the Ends of the bone from Each other without any wounder Serious Complication

in the Soft parts, The Causes of Euch an accident are violence applied directly or indirectly to the parts, & muscular Contraction Certainer = Cumstances predispose to the occurrence of dislocations, as preternatural lasity of the ligaments counting the articulating Surfaces together, Caries of the foints, paralysis of the muscles, varied or flower metions, + Shallowness of the articulating Empaces. The Symptoms of a dislocation are, 1st, munt of crepitation; 2nd, Elongation Shorten ing of the limb : 300 The lodgement of the head of the bone in an umst. usal pacition; 4th Change in the shape of the frint; 5th, diminution or loss of motion; 6th, Change in the asis of the limb, 7th, Possibility of farling the bone in its unnatural position; +8 th, pain, numbers, + Sirelling. Soon after the vicunence of the injury there will be more or less blood found in the frint of in the Surrounding parts, which is generally, Comparatively trifling, tis Soon disposed of by the abentent veser's, Especially when the Case is properly managed. There may be Estansive Estravasation into the point, I into the neighboring parts, owing to the laceration of Some large blood vessels. There is also a suptine a lacration of the ligaments of the affected joint, willy there has been a perturnatural latity of the ligaments of the joint

I frequently a replies of the tendons, Limitimes of the muscular fibres in the immediate vicinity of the affected Surface. In the treatment of a distorated limb, ir mateuse of oftension + Countries tension tof Coapitation. After the reduction placethe limb at rest I use artis phlogistics to moderate the resulting inflammatory action The great Cause which generally resists the reduction of the bone is muscular Contraction of the object must be to Countrial this tendency; which may be done Sometimes by directing the patients attention, Surprising the smusiles themselves them them off of their quaid of them make the proper movements rapidly. In the great majority of instances other means must be Employed; by placing the patient as soon as the hatto have been thoroughly Examined, under the influence of ether or chloroform, allowing the patient to lie down + then proceed to Thereduction In the next place Employ Extension & Countre = Elemeion, of these powers must be Exerted in the mixtyentle of gradual monner possible. The Education Should be made, first in the direction of the displacement, + afternaids as the parts yield in the natural axis of the limb. The hands of assistants maybe sufficient for this purpose, or bands + fillets may be reserted to.

302 Afra the arduction, a long time will clapse before the parts will regain their natural tone, I very frequently the patient suffers more after a diclocation, than he does after a fracture. After a few days, gentle passive motion should be instituted, & Sorbefacient line= mento should be made use of; and as the Case advances a good treat = ment is to how hos trater on the parts & commediately afterwards Coldwater + then to sub the parts with a dry naphin. Complicated dislocations should be treated on the Same principles as complicated frattures. When the dislocation is Compound, it should be Converted into a simple one as soon as possible, drawing the patts together by adhesive strips of Covering them with Collodion. In Cases where the position of the Soft parts prevents the reduction, the opening muet be Enlarged. When there is a fractive Complicating the injury, the dislocation should be reduced before the fracture is det whenever it is possible to do so. a good plan is to set the fracture temporarily, Surrounding the line with splints sufficiently 5 ting to Support it, + then taking hold of the link, Effect the reduction, I then taking off the apparatus reapply it pupuly + permanently. Old distorations are frequently met mither they are Exceedingly propleting.

I must depend when apparent to fisting Circumstances whether the reduction fan ancient diclocation Should be attempted. a diclocation Jan obiudar frint is more racy of reduction after Sometime has depr Sed Since the occurrence of the accident, than a dislocation of agains glymus frint. When a bone has been out of fint for Some time, it forms a new + imprefert Socket for itself, + it Contrails new ashesions to the Surrounding parts, orving to the effusion & Subsequent organizatz iong lymph, & throld weter becomes, in a measure filled uply congrelating lymph which may be Converted inte fibro-Cartilage, or Even bone. The rule is always to proceed in the most Cantines & Careful manner in all Such Cases.

Dislocation of the lower faw. The bone may be dislocated on one or not both sides, constituting a single or a doubt dislocation, the most common form is the doubt dislocation. Displacement may take place in consequence of muscular contraction, or violence applied to the chim, when the mouth is nide open, but usually it occurs from muscular contract ion. The superforms are always characteristic; the lower fair immoveably fifed the patient being anable to does his mouth, the lower fair struct in advance of the superior; the cheeks are flattered there is a Sort of ridge

304 lying between the Ear + the Egs, + there is a depression immediately in find of the Ear, the temporal muscle is condered orey tense, the saliva tripples constantly from the mouth, the patient has difficulty in swallowing I in articulating. In the single dislocation the jour unlines over to the opposite Side. The dislocation is Easily reduced. If it is a double distoration Fat the patient on a low stool or on a low chair; stand in front; olekan assistant behind hold the head against his breast. Introduce the thumbs in contact with the molar teeth of the lower jaw; placing at the Same time, the fingers along the anterior portion of the faw on the outside. While depersing with the thumbs the posterior part of the five so as to un = hitch it from its situation, clavato the anterior portion, tin this way the reduction is effected, making a felerum of the thumbs. When the dislocation is only on one side, the introduction gone thumb will be Sufficient. after the reduction, the patient should live abstractionsly for a number of days, the month should not be opened too widely. Subluxation of the lower faw is observed in females of a las habit of body of but Seldom in the male Ir consists in an elongation of the Conneeting ligaments, allowing the lower face to slip forwards & downwards a little beyond the interactionlar cartiloge Is is attended mite Some

difficulty in closing the faw I with Considerable pain. In its reduction percerd much in the same manner as when there is distoration of the Condyle. The fire should be placed in a bandage of the patient should be putupen the tonic treatment, while great Cavition is to be observed with regald to mastication. Wislocation of the ribs is very race; but comstimes the sibrare deparated from the cartilage, of the tratment is the Same as for feature of the ribs. The Clavicle is or assionally separated from its Connection at Eitherarticulation. Wisdocation at the sterno clavicular articulation may our forwards, upwards, or backwards. The forward distration is usually produced by a fall upon the Shoulder, the Shoulder being at the Same time, Thrown Somewhat backwards, + slightly streated The Symptoms are characteristic There is generally great difficulty in effecting Consolidation, the distoration is therefore orldom arstored, + there is immonse difficulty in maintaining apposition, although it may be Easily placed inits proper Situation. The treatment is the same as for fracture of the clavicle. a number of adhos. ive plasters should be imployed croping thearticulation in different direct. ions; tover this a compress, the whole being confined by a people bandage, The dislocation upwards is Extremely rare, I the Superptones are characteristic I the distoration backwards is also very rare. The treatment of these varieties

is the Same as for the other variety. Dislocation of the outer otherwity of the clavicle is more frequent than dislocation of the internal extremity, + the bone may be displaced in Several directions. most commonly the Superlar Externity of the bone is thrown over the acromian process. This is lawed by violence applied directly to the parts, + the Symptoms are always characteristic. To reduce the dislocation place the fit in the apilla & taking hold of the arm first above the albow, bring the limb forwards tupwards so asto thrust the head of the bone against the accomion process; safrewardit is maintained by placing a wedge shaped pad into the a filla & confining the limb in the Same manner as in fracture of the clavicle Occasionally the Scapular extremity is thoust downwards of then the parts are interlocked + there is an appurhimation of the shoulder towards the median line all the Symptoms are characteristic the treatment is the same as in the other form of the accident; to also when the Scapular Extremity lies under the lone= Cord process, which it does myseldom. Historation of the Shoulder foint is standingly common. The head of the humens may be drawn from the glanvid Cavity in these different directions. These 3 from an Complete of there is another form which is incomplete, when the head of the humrus is thust forwards to little downwards towards the coracoid

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proceed, the hour lying slightly in contact with the gland lainty. The smeet common direction is down into the apilla. The head of the bone may be theoren forward against the chest so as to lie immediately below the clairele, undunratte the pertoral muscles; I in the 3rd form it may be thrown backwards of downwards so as to be below the spine of the Scapula, between the infrareprinatus of teres minor musiles. In the distoration down into the abilla The head of the humans is thrown completely from the glewind cavity. The limb is slongated from 3/4 in to an inch. The limb usually stands off from the body, the for arm bring fleshed whom the arm, not wholly but Irmifle fed; of the hand is recally midway between Sufrination & privation . There is rigidity of the articulation, great flatterning of the shoulder foint others is an unusual prominence in the situation of the accomion process with a hollow immediately below it; + the head of the humenes may be felt in its unnatwal position. The accident usually happens by the patient falling for raids freeziving the weight of the body upon the palm of the hand, the limb bring placed widely from the body; but it may also be produced by a blow or otherwise. The reduction is usually Easily effected, Exprecially in resent cases. There are Several methods of effecting this arduction. One is by means of the times in the patients a villa another consists in the

operator placing himself opposite to the patient; & the object is to make Counter- Extension with the heal in the axilla, the book having, of wouls, bun armoved, having frist administrated an ancesthatic. This is the best mode of operating though others have been recommended. The head of the bone may be thrown forward against the chest; this occurs generally from a fall, or a blow, when the limb is Separated from the trunk with the arm but at the abow. In this Case, the arm is shortened. The head of the bone Can generally be felt in its unnatural position just below the clavicle. The reduction should be Conducted on the Same principles as in the former case, but the Extension should be made frist backwards + downward, + there the limb should be approximated, gradually, to the side of the body. The head of the humans may be thrown backwards upon the dosal Surface of the Seapula of the arm lies across the anterior portion of the cheet. the limb bring somewhat shortened. This accident only occurs when this patient falls, with his hand and arm thrown forward aeropther cheet & it is a rare occurrence. The head of the bone can usually be felt in its unnatured position. The reduction is effected by Extension + Counter Extension, make ing the oftension across the chest, while an assistant steadies the top of the Shoulder. In the partial dislocation the Spuploms are nor as well

marked as in complete dislocation, but they are generally sufficiently Evidont. The injury is reduced by Extension + counter-extension with slight pressure upon the head of the distorated bone. After the distoration has been reduced, terp the limb confined in a sling for some time, neral = lowing any motion for a number of days, best there be a reproduction of the difficulty. When there is difficulty in effecting reduction, it maybe necessary to Employ the pullrys; & for this purpose the patient should be placed horizontally, of the limb should be seemed in Such a manner asto strady the shoulder Then a fillet must be Secured, rither immediately above the wrist, or to the lower part of the arm just above the ellow the forearm bring flested, I this Should be applied by means of a wet roller; I the extermities of the Extending band must be Secured to the pulleys. IXII The abow joint may be dislocated in different directions. The hones of the fire-arm may be displaced backwards, forwards, + to wither Side Ahmally or internally. The most Common dislocation is that in which these bones are drawn backwards, Es as to rest on the inferior Durface of the humanus. The observamon process is theore out of the Cainty which naturally receives it & places itself opposite the inferior extremity of the humanes Some distance above the faint so as to form a projection. The Coranoid

process is received in the hollow which naturally aucommodates the oberanon; process. In convergence of this, the forearm is fleked nearly at a right ungle with the corm. It litewise stands off in a preuliarly august preition generally somewhat provated The tendor of the there headed extension musile is arlafed y undered unusually prominent. There is an unusual prominence in the bend of the arm formed by the Condyles of the humans; at the Same time there is a flattenned Condition of the bend of the arm; & The anterior brachial, and two headed flator musiles are in a state of theme tension. The dictance between the Elbow of the wrist joint is materially diminished This form of dislocation is Exercitingly Common Thisisliable to be mistaken for fractive. The reduction of this dislocation in a resent Case is very simple, but when the accident is of long standing over 3 or 5 prests old, in the generality of Caess, it is almost impossible to effect reduct. ion in any manner. To reduce it, take hold of the patient's hand, or of the formann just abour the wish, the patient Sitting before you; with the other hand tate hold of the arm about its middle, I at the Same time, place your Kness into the brud of the arm making of the Kness a felenim. While making oftension & Counterestension bring the bones downward timent pres with your fram time outward fin a few second the parts will Slip

in their natural position. And the pulley whenever it is presible to do. So. Occasionally the ulua alone is dislocated of therown backwards when The humans so that the for arm is brut nearly at a right angle with the arm of the hand is in a state of provation, the observation process bring my prominent. The symptoms are characteristic of the reduction is effected in the same manner as when both bones andis placed. A dislocation of the bones of the forarm forward Can only occur as a general rule when their is also a fracture of the oburanow process. Then the for arm is in a State of Extension, of there will be great tension of the broad Extener musels believed, tareladed Condition of the flexor and anterior bachiel muscles . The arduction may be effected by Extension of Counter of Exision the limb being in the straight position, & pressure being made upon the Ends of the bone at the orno of the arm in a direction opposite to that of the displacement. a latural displaisment is occasionally met with; when there is usually a Certain amount of flexion The nature of the injury may be ascertained by the projecting head of the ulua or of the radius; the first will be flat. tened and its rotundely last. It may neually be reduced by Extension, counter-Extension & purssure. The radius may be displaced alone at Either Externities Is may be displaced at its Experien Externity;

inwards or firwards to backwards. The forward dislocation is the more frequent of the two, in which case the head of the bone rests against the arti-Culating Eurface of the Condigle + the limb is in a state of partial supination, while the forarm is in a state of partial fletien. When the head of the bone is theren backwards it rests upon the posterior surface of the outer condificat the limb is in a state of partial pronation To effect reduction make extension slounder oftension of paras the hear of the bone in a direction opposite to that which it has assumed in consequence of the displacement. The radius may be theren off from its articulating Surface with the ulna at the wrist juint forwards or backwards. When the unforward against the anterior Surface of the ulna, the limb mid be in a state of partial superration of their mill be a priminerer infront of the articulation, I the opposite circumstances own when the bone is them but wards. The reduction is effected in the Same manner as in previous Cases. Dislocations of the wrist foint may own alone or in combination with fracture of the radius, or thrulna, or both. The Carpal hours may be dislocated builtimed formeds, or laturally. In the formand dislocation, upon the anterior part of the foint is a prominence produced by the projection of the Carpal bones; + upon the dorsal surface there is aracuity. The reduction is Easily

iffreted by slight Extension & Counter Extension & pressur upm the dieplaced Carpal bones. Distoration of the Carpal brees is very infrequent, tis Cauced by violence. The reduction is effected by pressure, maintaining the parts afterwards by appropriate drekings. There is occasionally a dislocation of the fringers or thumb, usually at the Carpo-nortacaepal articulations. The posterior phalasex of the finger overlaps the anterior Extremity of The metacarpal bone, the palmar Surface of the former resting on the dosal Surface of the latter. Dislocation rarely occurs at the other activalations. These dishocations, Experially when involving the thurst are often very peopleting, on amount of the resistance of the ligaments by which the frints are Connected. In making reduction, make countries bension at the wrist, while Estendin is made by taking hold of the distal portion of For thumb orfingers, as the Cise maybe, + inclining the distocated bone towards the palm of the hand make the efforts downwards in that direct. ion. The filter or a similar instrument maybe used for this purpose when neerstary. In certain laxations of the thumb Aisalmost inspeptible to effect reduction, on account of the manner in which the parts are involved. Iffer this is the Case Some of the parts may bedinded Sed= Entansonsly by a delivate instrument; care bring taken afterward to treat

3,4 the case on general principles. Westocations of the inferior Extremety. The most Common distrations at the hip joint are four in number; one upwards + backwards, another backwards + Slightly downwards; one formands + downwards; tome intrands to little forwards. The first of these is most frequent. In this dislocation the head of the bone leaves the airtabulum, slodges against the dorsum of the ilium, I the Symptoms are always Characteristic. In lower extremity is shortened from 1/2 to 2/2 inches, & the tors are inverted, the heel is raised from the Senface, the trace is bent over the opposite line; the line is almost immorrably fixed, I the great trochanter lies reaser the spine of the ilium thanit does in the natural State. The upper portion of the capsular ligament is of course, reptined . This Kind of dislocation may occur at all privats of life. It Can occur only in conse. quener of Extreme violence or over injury. Reduction may usually be effects Ed without the oid of the pullrys. The patient is placed upon his back or on a low brd, sis placed under the influence of an ancesthetic. The suggeon placing himself by the Side affected limb, grasps the leg with one hand pick above the antile, twith the other takes hold of the trues. Then he flexes the leg upon the thigh & the thigh upon the pelvis; then he places the times over to the opposite side mady as high as the chest of the patient, to

hwourer thorough relatation of the addretor muscles & of the imuscles Connected with the articulations, then Carry it out Keeping the fost of the leg inclined overther opposite limb & proceed slowly & gradually, & persently the head of the bone pill Six back into its natural position & it usually exturns with a distinct Snap. TEXTIL. I The head of the bone may be dislocated into the Sacro-Seiatis notch When an attempt is made to bring the bry in the straight position, the body will be rotated. If we attempt to raise up the link the body will lie in contact with the Senfoce of the bed or the floor. There is shortening of the limb but in a less degrer than when the bone is dislocated on the dorsal surface of the ilium, there is also less worsein of thetors, bus brending of the link opin its fellow, less displacement of the great toenanter; & the Symptoms are much like those in the other form of dislocation, I the accident is produced by the Same Causes. The reduction Can generally be accomplished by manipulation. Endravor to draw the limb over to the acstabulum, & effect reduction as before. The head of the thigh bone maybe displaced forward and downward into the oval foramen, rest. ing upon the outer surface of the obtunator muscle, the link persenting

an appravance in a direction opposite to that assumed in the other two forms of dislocation. In this variety, the limb is alongated to the distance generally of about 11/2 in , & the link presents almost diretty forward, + is held in a state of painful abduction, + is Kapt in a painfully flashed condition. The great twehanter is separated at a greater distance from the anterior Superior Spinous process, than it is in the natural state. The accident is usually pro duced by a faction the hip, at the moment the foot is wested. Endravor to Effect reduction by manipulation in the same manner as in the other forms of the injury, gradually moving the lint apward outwards, having the limb in the flated position I then rotating it on its axis + as it approaches the acetabulum, lift it whas it were into the natural cavity. Then employing the pulley make Atansion buckwards & downwards in the first instance, thy means of anistending band introduced high up into the given theaced over the Shoulders of the Sugson the bone maybe lifted into the aestabulum. In the 4th place, the bone maybe dislocated against the body of the pubic bone, so that the head lies pist Venrath Conparts ligament , ton the oriside of the fernoval

vessels; when the link is slightly Everted, it is also usually short-Enred about Is in ovan inch. The head of the bone Canusually be fell whating under the hand when the link is rotated This form is Ex-Credingly rare, & the reduction is effected on the Same principles as the reduction of the other varieties. In all these Cases the Eurgeon may be compelled to resort to the use of the pulleys. In doing this, apply the Extending bund just above the knee of the counterestanding band in the grown of the affected Side, the pat. irnh lying on his back or upon the Sound side, attach the End of the counterestanding band to a hook or ring in the sall; or confide them to trust northy assistants. Very rarely other dislocate ions are must with. There is occasionally one in which the nest of the thigh bons lies between the anterior Superior, & anterior infor rior spinous processes of the ilium, where it lies against the tuberosity, I in another form it lies against the spine of the ischium. In the frist variety the link hange of morninguity from the pelvis, +it is Extremely everted, so that the foot pre-Sents itself almost in a transverse direction, the heel inclining inwards towards the Sound side, I being off from the ground, the

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lind bring considerably shortened. In the second variety, the limb is neither inverted or worted, I if there is any tendency it is to Eversion of the link is longer Some 2/2 to 3 inches than in the natural state. In the third variety, the link is greatly writed there is Shortening to the Extent of about hinch. The head of the bone and the great trochanter may usually be felt in their unnatural position The parts must always be carefully inspected, I reduction should be effected if popula, simply by manipulation. Dislocations at the Kner frist are comparatively infrequent. Dislocation may occur in this situation in four different directions! The head of the tibia may be thrown backwards into the hollow of the ham. 2 It may be drawn forwards + 30 + 4th Is may be dislocated laterally on rithar side, which latter is usually the woult of External violence Seriously Complicating the nature of the accident, + it is always incomplete. The reduction of the Complete dislocations may be of fected by manipulation. The patella maybe displaced inwards or outwards, the latter being more Common . The accident may our in Consequence of External violence, or simply in Consequence of muscular Contraction of is most littly to tate

places when their is under latity of the muscles. The Symptoms are always characteristic, it being impossible for the patient to bend the leg upon the thigh, & the dislocated bone maybe found readily in its unnatural position. It is generally readily we duced. The patient being rumbent, the Surgeon takes hold of the lint, places the leg upon his shoulder to bring it in a straight line with the thigh, which is fleted at the Same time upon the plins; + the object may be accomplished by taking hold of the bone & prefing it in a direction opposite to that which it has followed in the displacement. There is another form of the vecurenes in which the pate -Ella is them wound upon itself or upon its asis, so that the inner margin rests against the obtside trochtra of the outer Condyles, ot the External margin presents directly represents under the Strin. Then This is the Case, the reduction is very difficult. In the reduction, the Earnsprinciples are Employed as in the former Cases. Vislocations of the ancle joint oldon our uncomplicated, generally occurring in Consequence of fractions of the fibrila, tibia, or astragalus. To effect reduction, place the patient recumbered on the offsted Side, Hering the thigh. Extension of Counterestension are made,

I the Sugran Endravors to push the bone back in its proper position. After the reduction the lind is put up in Splints as in Cassof fradure of this articulation, the best apparatus bring a tin Case. If the injury is very great, amountation may brooms mussaux, as som as reaction has taken place. The astragaliss is ouas inally dislocated in different directions, + it canneed to only in Consequence of External violence, I very often the bone is broten at the Same time. There will always be remarkable prominence at the point of displairment. This accidents are usually Complicated, + the rule is to cut down + remove the bone, toprevent the horrible arbeiting Consequences. Thuplace the limit in appropriate Ephints & Employ antiphlogistic remedies. In other Cases arduction may be effected by manipulation. [IXIV] Diseases of the Scrotum to te The Scropum is liable to Epithelial Caner, adema, elephantiaxis of many other diseases. The Chimney Sweeper's Cancer insurally presents itself between the ages of 18 135 years, Com morning usually in the form of a florid must or Exerscence, on in the form of a little tubercle upon Some particular portion of the

Cutanzous coverings of the Scrokum. At first this is notattended with any pain or unrasiness It gradually increases in Size + becomes the Seas of a sharp lancinating pain like that present in Cancer in other parts of the body. The parts around the diseased portion, breme indurated & discolored + the discharge is of a Sanzas unhealthy character. By degress there is involvement of the Surren ding lymphatic ganglia & the constitution Euffers mon or less The proper remedy is deixion which should always be performed as Early as popeible before there is any Constitutional disturbance or involvement of the lymphatic ganglia The parts should be approximated in the usual way, the patient's health be attend. Ed to afterwards to prevent against recurrences of the disease. The scrokum is hable to Erysificlas or active of acute adama which occurs in the integuments, but gradually Extends to the Entracent structures, as well as to the parts around, t is charac tringed by induration of the affected structures from interstitial deposit, discoloration, tumofaction & by Severe pain. This gen-Enally depends upon a decangement of the digestive apparatus + demands the usual antiphlogistic remedies with occasional

punctions to I remedies are neglected sloughing will take place accompanied by armeding of the parts + the testiles will become Exprosed. Elephantiasis is anewer mons hypertrophy of the integuments of the Scrobern involving the testes & the penis & Sometimes Even the integements of the adjacent parts. In this Case their is great thickness of the integumants. The proper ramedy for this disease is Excision which Should always be performed as soon as possible, the ressels being tied as fast as they are divided. Hydrocele is a disease of frequent occurrer Is is an affection of the eaginal tunio of the trabile, the tumor bring of a watery character. There are several forms of hydrocele 1st Mydrocels of the vaginal time properly so called usually an uniformlar cyst filled with the arrumulated fluid 2nd Three may be an Emysted hydro: calo the cost bring formed usually at the function of the spididymis with the testiel. 32 There is hydrorsh of the Sparmatic Cord, + 4th finally, Congenital hydrocale. Hydrocale of the vaginal term of the testile is liable to occur at all proceeds of life but is most Common between the ages of

30+60 years. The quantity of water varies in different Cales from a few deathms to several ounces. When the disease is allowed to continue interruption, the amount will browns Emmons. The water may be projectly limped or of a pale pollowish Completion, Slightly Saline in taste, Somewhat ropy in Consistence, + it is Coagulable by heat, alwhol, tacids. Sometimes this fluid is very turted, or it every be muted with Congulating lyuph or pus. Oursionally there are fibrores or fibro Cartilagenous ann= unidations. Truesally there is buttere Cavity, but Sometimes there are Several Compartments. ot the fluid may, though rarely, Contain by= datids. This is Caused by an abuneual Seece tion. The unwediate Cause is inflammation, generally of a chronic Character. The testile is usually in a healthy Condition; but in Cases of long Standing, the testile ornasion ally becomes atrophed; + onessocially becomes Enlarged, + Sometimes it is much

indurated. This affection is always Slow in its developement, there is no pain in the part, & the only involvenience is its but & wright. The tumor is generally pyriform in Shope, + flutuates on pressure. There is no discoloration of integenment; little or no enlargement of the Subcutameous vein; The testicle is usually situated at the posterior part the tuner grows from below aproveds. If the hydrocele is large; draw off the water + de patient will receive temporary relief; but in a short time the water will reacunerlate, I it must be tapped again, toom. In the meantime Support the parts with asus= persony bundage , t give the patient or asion ally a dose of purgative medicine; that him refrain from Such Henise as is Cal-Culated to increase the tumor of there is a Small hunor, & the patend is Comparatively

young; the propertiealment, Especially in children is always to put the patient on his back, not allowing any but the lievest pos-Dible diet: Elevate the parts; sine a purgative filler draught, + apply locally Some astringut fluid as a Solution of acetate of Lead; or goulard's Extract, or a Strong Solution of Olum, Keeping them Constantly applied to the part for a week or two, when the fluid will have disappeared, of the patient willhave been radically Cived . In other Cases, the appli-Cution of Equal parts of Jodine + alcohol may be reserted to once Energlay, of the wild outerent of codice, codide of potassium, or iodide of lead. If it resist these remedies, puntine it in different directions with a Cataract needle, when the fluid millgrade ually Escape I the Cavity will be surptied; + inflammation following, a line will be

326 effected. Or, ann a needle nite a Lingle Thread, I deposit this in the Cavity taking it out in aday, ta Cine will follow in a few days. In Cases of Congenital hydrocele in a very young infant, reduce the tumor + Employ the mildest treatment. Inhydrock in the adult; the general mode mite a view to the radical Cive is to dear off the fluid, I inject Some Slightly Stimulating fluid. Agood operation Consists in the interduction of a Selow. Draw off the fluid by wears of a trocker making the inicion at the auterior partion of the tumor, Carrying the instrument obliquely upwards + backwards. After having deaver off the fluid in the usual manner; then retain the Canuala, push it up Some distance from the opening, & reinhorting the hortrar, make a Counter opening through

the auteur & upper portion of the tumor,

328 of the plastic matter Effused in Consequence of the operation. The popular method is to inject iodine, or iodine + alcohol into the opening, treating the Case afterwards on the Dance principles as when the Selow's introdued. The most Common Encyted Hydrocele is in Connection with the Spermatic Cord. The tumor is generally very Juall. This is Supposed to be formed in Coursequeue of the closure of Some of the Cells in the Celular tissue in this Dituation. The humor enayle Situated at various pertions of the Cord. When it lies within the inquiral Canal, it may Friendate a herma. The lunior is How in its development & is Seldon product ine of much inconvenience, & it Can generally

ine of much inconvenience, tit Can garerally be prefed along the Cord. The operation Consists in passing a little thread by means of a needle through the tumor, tremoving

this in 2 for 48 hours to Cine will follows Or make an imission into the tumor, + dis= sect up a little portion of the Cycl. Hounalocate is a Collection of blood in the vaginal turn of the testile, + Sometimes in the Tellular Substance immediately beweath the Shire. It is generally produced by a blow or Some External violence, or by the injudiviver use of Some instrument used in puntin ing the Scroture. It is a very rare ourrence. It is a heavy doughy tumor, & there is always une or less discoloration of the Scrotum. Such a Case west be relieved. When the ac-Cumulation is Quall & the patient is in good health, Employ Sorbefacient remedies . In orter Cases make an opening, tallow the ac-Cumulation to Escape Especially when the annulation is large. Varicocele Consists in Enlargement

of the veins of the Spermatic Cord . In this affection, clase veins undergo a degeneration of their Coats, which become dilated at tertam points, or the dilatation is greater at Dome points them at others. This affection is more Common on the left Side than on the right, owing to the presence of a value at the mouth of the right vein, I the absence any Such value on the left side. This affection is must Common within the first 10 years after the age of puberty. The inmediate Cause Leens to be produced by master bation, when the parts are hept in a state of Excelement which is frequently reproduced, followed by relatation & by the occurrence under Considerer lion; + it occurs often before the age of pulserty. The symptoms are the presence of a lunear larger at the bottom ; I feelingit, it presents the feel of pressing together the intestinos of a

Quall animal. It is Comprised of Cords which (an he moved about Each other, tif the Sur. tune is related, the bluck Color of these large veins may be distinguished. Slaving the patient remuleent, these veins will be Emplied. Place your finger on the External abdominal my & request the patient to rise, when the neins will become refilled, the nature of the disease be at one determined. There is usually very little pain Except when the patient is Subject to remalged. Tenerally, there is a Sense of weight. Mist persons have a Considerable amount of perspiration in the Corresponding Side of the Scrotine. I very often the perspiration is particularly offensive. Coasting of the testile judually ours from the presence of Variocele, Caused by the weight of the nessels; I it is frequently oucerount of this wasting, that the physician

is Consulted by the patient for relief. He treatment is palliative of radial. The pulliative treatment is an avoidance of the Ex-Citing Courses whalever they be; Suspension of the tunor by a peoper bandage; Cold batting twice or ctrine in the 2 thours; Cold water, or water Contains ing acetate of lead or Goulard's Estract, to Constringe the nessels of the part + affect relief. The patients bowels should be properly attended to + the aliwestary Canal west not be allowed to be too much filled with feeal matter. Auviter means is that of indieding the dougated Serature in a ring So as to press the affected views against the External abdominaling. Another operation Consists in retreaching the clongated Scrotime cutting it off in the greater portion of its Extent, for the purpose of placing the affected views high up against the External abdominal ring. The radical Cive Should only be

undertaken when the tumor is of large Size x dreaters to impair the functions of the testile; when it is productive of pain, or productive of mental Emasculation. A good operation is Cutting through the Scroling report the enlarged views, isolating them, passing a needle underwatte them, planing the Extremities of the instruments across the incisions, Capping a thread around the needle , So as to Construct the veins; Similar to the Employment of the hair lip Suture; + allowing this instrument to remain for 2 for 3 li hours, passing an instan ment upon the Surface of the medle, Cut cheese heirs anof of remove the needle of the thread, + apportionate the Edgerover the point wherethe needle was previously, in the best possible manver. Auottete operation, + etre bestone is Proflamoasts operation. Deparating the Veires from the has deferens by the thumbs

finger, their pass an instrument Consisting of a flat needle armed with a stout ligature between the vos deferens + the Enlarged neins from before backwards, & then Enter the point of the weedle at the opening through which it has just paped; then pass it around the Circumfaence or the External portion of these cularyed acins I then the point out in front at the opening of Entrance So as to make but two openings, the needle passing through Each, twice; having miluded the Enlayed news in this way, the thew finaly over a better, or without abutton. In Case of operating for Variocele, it is proper to institute a System of preparation by diet, rest + purgation, or there may be dangery diseases of the veines leading to the destruction of the patients life. When there is great elongation of the Scrotund, it may be necessary in addition to returne the Service, Cutting

togestiese by means of Several points of the inter-

The testicle is liable to various affections as inflammation + its Consequences; abscess, + Even gaugeeve, state various heterologous & cepter funcations, escuralgia, atrophy, hypertraphy te Inflammation of the testile maybe aute or Cheonic mild or Levere. It is called into Existence by many Causes. Venerally, it is the result of the Younoshoeal disease, Sometime of an Extrusion of the nurbid action along the method I the Course of the Ejambatory dut, Seminal Bresiles of the defenousial tube. Itmay be produced by External violence, Suppressed Culaneous perspiration, by gout & chemialisia; by diseases of the methon & bladder. Oursionally it is the result of metastasis in Cases of inflammation of the paroted stand.

It is characterized by the ordinary Symptoms of inflammation; pain, heat, swelling, discolor ation of the integenment + lendencess on pressure, a Sense of weight. The pain is severe, Sikening in its effects, radiating about in different directions. One testile is usually affected, but Sometimes both are involved. The Swellingmay be So greatthat the organ way be 3 or 6 times its natural buth. Tenerally the Epidydinis is une involved tran the testile. It Thends along the Spennation Cord in many Cases. The lune faction is Common: by produced by an effusion of plastic lymph. The treatment must be strictly antiphlogistic. a good Emetic at the outset of the disease will be found very advantageous of the patient is plethine of the symptoms are urgent, take blood freely; & afterwards make use of the Saline

Vantinouial mixture to keep up a Constant action on the bowels, & Excite the Secretions, &

likewise to keep up a Certain amount of nausen. The parts must be Suspended, I use made of medicated lations, the lest of which is the hydre. chlorate of ammonia + opine or landamen, applied by wears of a flavuel doth lovered with oileloth. If the Symptoms mu high, apply beeches to the inner & upper Surface of the thighs, grow + perisoner; but not to the scrotum unless it is much Dwollen I in a state of induration. Ofterwards, wereing maybe given Even to the Excitation of slight physlism, propely guarded with Opinu, purging the patrent + properly regulating the diet, to get rid of the Congulating lymph upon which the induration of Swelling of the parts depends. The unavediate object may be accomplished by wears of Conquession with adhesive Stups Systematically applied. Chromo inflammation of the Esticle.

This Coustelutes testitis; when the desease Contin ues for mouths & Even years Especially when produced by Syphilitic action. The deposits are ofa faint yellowish Completion, + went the place of the Seminferous leites, + the Constitution + function of the organ are materially impaired. The disease is non-malignant. It is attended with great inducation, a little Enlargement of the inferior Extremity of the Spermatic Cord, I with a sense of weight in the affected part. The Constitution is usually in an impaired Condition. Where the disease is Caused by Typhilis, use the preparations of voiline + energy, + the iodide of polassium, teeping the patient under Slight phyalisew for Several mouths. Sto 15 gr Polass: Irdid: maybe queen Bart lines Earleday. Pay attention to the diel I use towns when indicated. In the ordinary forms, place the patent in the remuleut

position; purgetion Every Served or third day mit a black draught; restrict the diet, avoiding aminal food; keep the parts revoled, truply some sortiefacient lotion, Endrocation, liminent or incumction; t a few leaches occasionally in the neighborhood of the affected organ; or, if the inducation he very Considerable, diently to the affected organ.

abscess is an onasional temmation of inflammation of the Epidydemis, or of the body of the testile, or both, but it is infrequent. The matter may form in the vagual tune; or within the fibrous Coat of the testile when the patient Suffers inneusely. The rule is to let out the matter as Taily as possible; Even when there is not distinct fluctuation. Should a Jungous protusive take place of the seminal luters through the puncture under, be Careful not to recurre it with the knipe . Iverder rapidly as possible; diesect up the integrements innuediately around the protrusion, make the edges law, I bring them together over the fungous mass by Sutures or adhesive strips. Sometimes were pressure with the adhesive strips mill answer the furpose,

The heterologous formations are very infrequent the most common being the Emephaloid the tutercular.

Exceptialoid disease of the lestile is and Common in young subjects before the age of 20 + takes place frequently in very young children; Sometimes in middle life, + Seldom in old life.

It Commences in the body of the lestile Education to the Epidydeinis. but not the Speculation Cord the lymphatic gaughia of the from Finternal put of the abdonew. It is rapid in its progress, the lestile soon arguing a large bulk.

This disease is always fatal in its consequences. The turn is always solid, the testile is frequently wouldated. The tumor grows from below exprounds. Usually one organ alone is affected. The patient becomes Eurociated . Finally election takes place, a fungues friends out + hementinges hallen the fatal Combision. The proper remedy is Excusive performed as Doon as the diagnesis is Established, before there is any susceptible involves went of the Sunounding gauglia; but very often there will be a speedy return of the disease. There is a disease Called Encysted testule; when the testule is Endanged; affeeting a insuler of Cells filled nite a watery fluid or gelatinous Substance, or blood trater, or a Sort of bloody felly. The disease is west Common between the ages of 18+35. It is a race disease in this country; always Commencing in the body of the testile, Extending to the Epidydemis

but never to the Spermatic Good. The testile is ovoid + acquires great volume. The desease is Slow in its progress & there is no malignamy ur involvement of the Constitution. Excision should be performed as Soon as possible. Reuralgia of the testide is usually associa det with neuralgia of other parts of the body. Theoryan becomes Exceedingly sensitive tis Subject to Severe partyens of pain Coming on regularly or irregularly. Hee pain is of a strait durting Character, passing about in different directions, passing severally up the Spounation Cond, I in other directions, The organizations its calinal Structure + natural bulk, In west Cases there is viller Louise disease in the Course of the methra, or at the week of the minary bladder, tit is always Convected with desauge = ment q the digestive organs; but slight de rangement of the general health. Sometimes it is

produced by hemorrhoidal lucius which radiate their influence upon the testes. The again must be Examined to determine the nature of the Exciting Cause. If egulate the diet + bounds. Surpend the testile by a bandage + make use of antiremalgie remedies as quinine in Combination Tith asserie; Strychnia, belladonna, the Exhant of acouste. In the choice fire, Smaller doses of gamme may be given in Cases dependant upon missematic influence, with Some belladound. Medicated lotions may be applied to the Snotun; the parts be frequently washed with warm water. Tuberculous deposits of the testile oungenerally at an Early age, tunet be met by antistrumous remedies; + where there is an anumulation of fluid, it should be drawn. Physicosis may be Congenital or

arguised by Yourshan, or Chance, or

ordinary inflammation producing induction of the part with were or less Contraction. When there is Elongation, the operation of Cin-Comsission must be performed; I then to relieve the orifice, if that is not done byremoving the redundant furtion of the prepure, introduce a growed director along the dorsal surface of the head of the peris Corresponding to the median line + Hit up the parts by wears of the hinge. Then tack the ralges of the wound together by means of several points of the interrupted Suture I the patient is relieved. When dealing nith a chance, vener perform the operation for phymicis. In performing the operation for phymics, fold hemorrhage has been the result, which Should not have been, as the arteries may be secured readily by wears of the ligature. The homorhage will usually yield to the Section Paraphyenoses is usually produced

by the little boy playing with his penis, tit is the reverse of phymosis, I the head of the penis becomes Swollen on account of the Construction. The operation is Simple when it is performed Sufficiently Early. Make Systematic Compres-Devir with the thumb of fingers upon the head of the peris to press out the blood, incorder that When the volume has been Considerably dininished, push the prepuse in the opposite dietion from behind forwards + accomplish the object. When this does not answer, pour Cold water upon ditre head of the peris from a Con-Diderable height , t then make Explenatio Com= pression. If this fail, take the bistomy & worth the part at the side of the peris about a line or a line ta half then the object will be affected by the manipulations.

Stricture of the Urethra waybe Spasmodic or organic. Organic Stritue of

346 the Unethra is of frequent occurrence, Especial. ly after a Certain freud of life It latters place in both Seles, but Comparatively Seldow in the female. The most frequent Cause is Towershoea. Sometimes it is produced by External vidence, attended with an officion of plastic maller into the Substance of the muous wanbrane + the Submurous Cellular tisene. It presents itself in various situations time various degrees + forms; most Commonly it venus at the narrowest portion of the Canal which is the membranous portion which is Seed = pended in the triangular ligament of the weltha, or the perineal fascia of the pelvis. It is leable to occur in the Spongy pution of the Canal. Sometimes it takes place first behind the Externalorifice. auother Seat is the bulbous portion The pustoate pulion of the weltran is Element from this occurrence. There may be but one

I structure or there may be a muller of them, que rally there is but one. In the met simple from the Contraction resembles that produced by throwing a thread around the tube, being very narrow in its Extent; but it varies Exceedingly; Even in Some Cases, occupying the Trace of Several inches. Its extent may also very as it affects the Calibre of the tube. The Consistence of the stricture may rang from that of recently organized Coagelating lymph, to that Even of Cartilagenous Character, according to the age of the structure x other circumstances. In Cases of recent standing it will be soft. The Symptoms are generally Slow in their appearance. It is a long time forming; + by + by, the Stream of wine is found gradually diminishing, & it becomes Spiral in its appearance; I were Effect is required to Effel the unine than in a natural state, there is a sensation of burning or uneasuress

around the pubis, I there is generally a sort of gleety discharge being more or less ropy. The Sufferings of the patient are terrible Esparally by involuntary Emission of Senen; + chery Suffer exceedingly after Copulation; + they are rendered muse by Cold + general Exercise. When the disease is formed there may be deraugement of the gen : end health. Examining the patient by the fuger, pass along the inferior portion of the organ, + the stricture may be determined by the resistance offered to the finger, when it ourpies the Spongy portion. The diagnosis is to be determined by an replocation of the Canal itself, introducinga bongie or a catheter which stroudd always be well oiled, friente promotes its interdention Hoprevent the development of Traser. When the stricteve Theits in a wild or very Simple form

according to Circumstances. When the structure is recent, + Comparatively Soft; the treatment by dilatation is the proper one. If it is of long standing + hard, the treatment by in-Cision should be Emplayed. The dilatation may be gradual; or the Strictive may be fined in Some Cases, the instrument being passed at one operation into the bladder, I it Should be performed with a great deal of Care. after de Cine Constant attention must be paid to it, lest du struture relapse. of there is a Structure altended with a great degree of scalding the proper welltool is to Canter : \$ ize the parts, at least in front of the struture, by means of the intrate of Silver; the object bring thus to remove the morbid sensibility. Canterization is applicable to the Stricture where there is critability of the weether nitrate of Silver, Caustic polash, or the

breina pasto may be Employed, but the hetate of Delver will generally be found to be Sufficient Employing it until the morbed Sensibility of the wiethra is overcome . I then Employ dilatation or incision andring to the Circumstances of the Case. When a Struture is very firm, of long Standing, or of great Extent, the hest weshod of treatment is by incision from within outwards. For this purpul, introduce an instrument within the Structure, & then instructing it as far back as possible, protrude a land shaped Contrivance with which the division of the obstacle is to be affected, The instrument usually Employed is a Fort of Catheter unuented by a elle Stuart a English Surgeon, Make 3 art destruit incisions of immediately after the division, Carry au instrument down into etre bladder fretain it there for Several days; & then

Stricture in the membranous furtion of the methra as for forward as the instrument-lies in the parts. Then pass a full Size Casheler into the bladder tretain it there until the wound in the paincement has healed over the instrument of thus Effect a Come.

Univary abscess mayour from various Causes. In Consequence of changes produced in the unions membrane of the wrethra, wheration & suptime may take place, ta little portion of munispoing way, adup of wine gets into the Connecting Collectar Substance, Soon giving rise to a urinary absess. However laused, the Symphones are pain, heat, Swelling discoloration redices of the parts, & desirder of the Con = Statution Even when the Effection has been Comparatively Slight . I there will be

334 difficulty in passing the wine. The treatment is here an early incision, ush waiting for distinct fluctuation, down into the westhra at the Seat of the Swelling followed in all Cases by the introduction of the Catheter if it be popule; + then Employ the ordinary antiphlogistic remedies locally of Constitutionally. There may be a more Serious Extravasation of wrine producing a typhoid state of the System. The Weatwent Consists in waking extensive incisions, along upon the snotum; from one Extremity to the other, I from one side to the other. Divide the parts, fine vent to the wrine & pent up fluids; Cut into the methra of it is possible, tifinpacti-Cable pass a Catheter & draw off the unive from the bladder as fast as it is secoled. Then forment the parts with opine & Sugar

of lead, with warm lotions which should be diliquetly applied. Itimolants must be given in the Jame manner; quinia or Some other tonic medicine to sustain life, Univery fistula. This consists of a passage Communicating with the Strin + the mucous membrane of the wether which is usually the result of an abscess; or a suptime of the muious membrane of the wrethra usually produced by a light structure. However induced, there will be discharged through this opening, more or less unhealthy + fetid pus mixed with water or wrive which way be small or large in quantity. There may be one or a number of openings, but there is generally but one internal opening. The harts around the External orifice are usually inducated from interstitual deposits I the parts are burder & painful, & more or

35% less discolored. A fishela of itself may be treated amording to its Causes, with the purpost usually of Speedy Sincess, provided the parts have not been too much diseased in Consequence of the long Continuance of this morbid action. The rule is to remove the structure first. The Struture will generally be found frist in front of the fistulous opening, I it may be gotten aid of by dilatation, Cantenzation, or division anording to Circumstances; + when it has been disposed of , \* whe the fishela if it is of recent occurrence will generally be gotten aid of by itself; Thould it remain, there Endeavor to Effect a Cure by addressing remedies to it . I this may be done by attention to cleanliness, rest to the parts of the System at large, using the wildly autiphlogistic remedies; applying a little argente hitras Either in Substance, or by injection; or the

35%

tunture of iodine; or a strong solution of Plumbi Chelas Noulaids Extract . of this do not ausiner, or red hat Cantery may be inserted into the trait; & if this don't answay, apply a blister to the part, making use, at the Same time, of the Li Fodimeni. If all these fail, the only remedy is division of the fistula which Can be Easily accomplished, by passing an instrument down as far as the Deat of the External orifice of a little beyond it, + Cut down through the fisterlous opening I maintain an instrument in the bladder until the ciratrization of the wound over

The Urinary bladder is hable to inflammation of its Consequences, as well as various heterologous formations.

Cipstitis may be produced by External injury, Suppression of the Citameous

358 perspiratione; by a gouly or sheumatic state of the System; by sourrhan I various other Causes. The ducase may be aute orchanic, wild or swere. It owns at all pariods of life I in both Sexes, but more frequently in the male. It is characterized by a Serose of weight & oppression deep in the region of the pelvis, of there will be lendencess on pressure of the Epigastrie region of the perimenn; + the pain will radiate about in different directions. There is a frequent desire to pass water, & their will be a stalding sensation in doing So. The patient will usually pass more ennes than in the natural state, the unice will be more highly Colored. The beatment must be strictly antiphlogis= tic. In wild Cases, Calouel way to

given alone or Combined with Jalap to followed by Magnes: Carb: or Some Similar

wild Cathartie; but the patient should always be purged, Especially if the bowels be overloaded. If the Symptoms are ingent, the patient may be bled first. Then give anodycies liberally in full doses to Control the unoccular Contractions; & if adresable, a diaphoretic may be Combined with the anodyne. On infusion of Opinion may be applied by a flamel cloth, to the Surrounding harts; the strength of Zij or Zij in a Gallou of warm water. Chronic Cystilis is of frequent ourreuse, I is met with under a great variety of Circumstances. It may be produced by Stricture of the weether; by enlargement of the prostrate gland; by the presence of a freign body in the bladder; tother Circumstances. It may be a sequel of the aute firm of the affection. It way

Continue for mouths + years. The affection is characterized by a frequent desire to passenine, altended by une orless difficulty + Straining; the pain ladiating in all directions. The quantity of univer may be increased, diminished, or natural, depending upon Circumstances. The quality raies; it is usually lighter; generally the fluid is unalimally thick, owing to the presence of an emusual quantity of much. It is frequently alkaline in its properties, I in many instances it is apt to become petid, Sometimes before it is voided, & always after it has been retained for Even a Short time in the nessel. There is always a large amount of much, which is always remarkably ropy, inspissated Societimes it is perceptible as the univer flows from the wether, I in all Cases it Soon Aubeides to the bottom of the nessel, to which

it firmly actaches itself. There is also, often, Especially when there is Stritue, or Enlargement of the pustiale, were or less pluspliate of line presenting itself in the form of stronks spread over the mucus which is furnished by the unions membrane in a state of inflammation t is Sometimes furnished in tousiderable grantity. In the more obsticate Cases, there is also were or less fues, which is Sometimes Considerable in quantity; from Several drachus to Several ours in the 24 hours. In other Cases, there is Douetimes a discharge of pure blood. There will be scalding in passing water, & frequent pain in the head of the penis; + the patient may become affected with homerchoids, + perhaps prolapse of the bowel; + Sometimes hydrocele, tomasionally Serious disease of the Seminal nesiles. The general Trealthe Sover becomes deranged; the digestine

organs Suffer ; I the disease goes on, browing worse t worse, until the patient is at last destroyed by hectic. If there is a stricture, this must be removed. If there is Enlargewent of the pustrate gland, this difficulty must be removed. If the patient is laboring under Stone in the bladder, it must be remind by an operation. The patient will generally be greatly herefitted by repose in the reminlant position; I when walking about he should not repose himself to fatigue, & Should lake no Exercise on hirseback, or in a Curriage over a rough road. He should have no Defual interiouse. The diet should be untitions but non Stundant, taken puter will generally be of advantage. The use of frugatives will be found love final, Especially if he is dyspeptie. Two Every for mights 1/2 go bluemass

with falap or hubret & a little white Soap, to act gently on the bowels & exporte Sentions. Drundcent derits Swould not be Carried too far. If there is acidity of the Stomach, the Soda Wirach, + other alkalies may be used with advantage. Anodyces are indispensible of they may be given by the wouth or by the rection; evering a Supposeling of Dortges of Solid Opinion or gry vel greffs of Maphia , or our Enema of landamun X water. The Balson of Capaiba Should be used in the Sauce form as given in gonorhoea, only in Swaller quantity, in Eur uleion with gum arabie & loof Sugar, with Downe Campber water, & add to it a leitte Candamun, or Colelina todoministe it Battimes aday . about 15 or 20 deeps y Balsace of Japaila with aqua facuptura 3/5 Hlines aday. It should, occasionally,

Bel 4 be omitted for Several days, there be resumed; I in the interval Something Else may be Sutstituted. Duelow may beginen in Combination with Supedia or hops; or warusi may he used, giving 1/3 huntle full of infusion with 20 or 30 go Soda / Tumboras Several times in the 24 hours. Tareira Drava dues ust Seem to be as admitagrous as other remedies. It is used 31 to aqua Ojij boiled to of acing Zij to zir, Alemes in the Extrones. It Seems to be productive of nausea & Even rounting. The preparations of temperative, as the Oil, in deses from 8th XV 6xviij Several times aday or from gis ij lor of temperative in Substance may be used, + ourseverally with advantage. The articles Should be varied from time to time. Occasionally, Especially when a touce is required; helsefit will be derived from

the muriated truture of irow, wither alone, or in Combination with Some other articles. If the Symptoms are Severe, use beeches to the perineum 3 to tracy for s days until the Symptoms are relieved; or they may be put around the verge of the and; or he the inner + upper surface, or to the ejugastice region. Issues & Setous maybe Employed down the perineum, or lower part of the Epigastrium. Dometimes the Cladder is injected which is proper when there is rularge ment of the pustate fland leiding to long retention of a portione of the union to flarge quantities of muns. It maybe ingrebed with tepid water, or water unedicated with wither or other acid, or some mild astungent fluid. Oftenous injut into it Some undicated lotion, as the nitrate of Silver, or a weak Tolulion of the tructure of iodine

or aretate of land, or Sulphate of Time to; but itay should be used with great Cantion. albow these lotions to semain in Contact with the mucous membrane, as long as the organ will tolerate the presence of the fluid.

In many taxes the patient is benefited by anodyne injections, particularly applicable when there is peut morbed Sensibility in the bladder, I in the Course of the wrethere. For the purpose of injection the double Catheter

These may be an irritable bladder, depending upon many auses, which is indicated by a frequent desire to pass water, altended with more or best frame of burning as the fluid passes along. It may that by itself, but severally is in Combination with desease of the unwood membrane of the bladder;

disease of the pristrate gland; or disease of the wether of an organic character. Cure the Cause, whatever it enayles, theat the Case upon general principles, Siving antispassuodie remedies; timall Cases diaphereties in the firm of Done's powder; + anodynes will be of great Service; Sometimes the passage of a bougie, or Catheter te. Malignant diseases are of prequent ourrence, Laie always diffi -Cult of diagues, & Since to terminate fatally Sooner or later. The prostrate gland is liable to disease; to inflammative tito various Consequences, as well as the various heterdogous firmations. It is seldom diseased before middle age, except when there is Itrichine of the welker, or disease of the

acute inflammation of the prostrate is characterized by the Symptoms denotive of inflammation of the bladder. There is a Denve of weight + fulness deep down in the region of the bladder pelvis, & a frequent desir to michinate; Scalding as the fluid flows along; discharge of wwws; + pain in the perimenn + around the verge of the and; with more or less Constitutional disturbance. The treatment is the Same as for aute Cystilis. Orasionally this disease terminates in abscess, whom the sule is to Evamate the

Otrasionally this disease terminates in abscess, whom the rule is to Evamate the matter as Sown as possible, lest it break into the weether or into the reducin; or the matter may find its way into the periodicular when the periodicular to the per

may be Confined to one love, or may

Exist in two lokes, or in all three .

This is one of the Effects of old age; but in many Cases, it takes place in Consequence of long Continued kneeback Exercise; Acessive nevereal indulgence; affections of the ams + rection; long Continued disease of the wether; & Sometimes without any tause. It gives rise to Servers disease of the winary bladder. Very little Can be done for the relief of a patient thus Circumstanced. In the Early Stage, an attempt maybe made to prevent the Extension of the morbid action, by plaining the patient in a State of repuse, making him live absternously; weing autimonials of purgatives, with Cooling injections into the rection, to. Occe great difficulty it sives rise to, is diffi = Cully in discharging the wine; which must be wet by the introduction of the

370 Catheler; I the palent should introduce it twice or three times in the 24 hours; to Evaluate the unive, drawing off the whole of it if it be possible. Retention of the Urue maybe Caused 1 Sby Struture, 2 00 by paral. yeis of the bladder; 32 by Eulargement of the prostrate gland; 4th by enjoy of The perincum; 5th, by Calculus; both, by an imperforate Condition of the wrether; The by priapesed & 8th, by Cancer of the penis; gets, by obstruction from blood, uncers, or lymph, + 10th in Consequence of our hysterical Condition of the System. In a Case of celention of wine, plaining the hand on they hypogastrium, a tumor will be pereived running nearly to the mubillius. It is usually larger above than it is below; + afterwards it will

amount up above the umbillions, to nearly as high as the Epigastimue. Introducing a finger into the rectume, a tumor will be per-Ceived in that direction; pressing the wifer in wall from below backwards, the butter in both Situations will be found to flustrate Especially that in the rection. The Symptous gradually increase, + gradually Con= stitutional Dymptoms are developed; Symplomatic fever arises by t by. as the au-Cumulation progresses, the breath of the perspiration become univous; the pulse becomes feeble of fluttering; the Extremities become Cold; delirium Exists to agreater or less Extent, & the patient gradually perishes. After the relention has Continued for a Certain length of time; there Superrecies invontineme of wine manifested by the dribbling of water from the weether,

372 which takes place, usually, at the End of the Ind or 3rd day. It may Come off in a little Stream, but the bladder is never Entirely Evacuated, When the disease arises from Thuture, relief Cannot be obtained until the Otricture has been overcome. The Spasmodie Struture Consists in an inordinate unsendar Contraction outle part of the fibres found in the methra, I in the parts inmediately around. It way arise A from Expresse to Cold; inegularity indich I drink; redingouherseback; inordinale sexual indulgence, masterbation. Some times it is dependant upon an and Condition of the wine, or upon the presence of a hoursdividal tumor, or some other disease at the exage of the anus, die the rection; or inilation in the vagues, or uterus, or other funtions of the genital apparatess.

It is manifested by a frequent desire to pass louter, with an inability to do so, anourpanird when it does our, to a little Extent, with pain + Scalding; + the patient is in Constant + great agony. The remedy Consists, in first introducing the Catheles to Evamate the wine, taking a large Sized instrument which should be passed down Carefully. It is not usuefacy always to introduce it into the bladder, for the Spasen may be overcome when at the orifice, at the bulbous partion, tat the new branows partion of the methra, & then, quard against the revenuence of the affection. If it depend on disorder of the digestive Dyslew, give a purge, + eter an autispasurose Handyne as implied Combined with ipecamanha or tartar suretio, Vapply forcentations to the abdorner, lotte permenny 374 I to the guitals. The fluid waybe Simple or medicated. If this don't answer, administer an anodyne injection; or the warm bath every be used. If the patient is plethorie, & the Ipasen great; blood may be taken from the arm, or by beecles from the hypogastrumt permenna. Netention of Union maybe produced by pasalysis of the bladder This enaybe induced by a great variety of Circumstances as External violence; a blow reporte spine or the lower Extremities; or injury of the Bull acting upon the brain; or by an Efficien of blood, as in apoplerey; by injury applied directly to the hypogastrie region, or to the perineum; by the passage of a child's head in partirition. The recedy is the Caltater, but this does not afferd permanent relief . If possible remove the Cause.

In these Cases, use the instrument from time to time, Every few hours, recuserting it each time I not allowing it to remain Constantly. Vitention of Unive may be Caused by Tulargument of the prostrate fluid. In this Case, papa Catheter until it Comes in Contact with the Seat of the obstructione. The weether frequently becomes elongated. Oil the index finger of the left hand, of insert it into the rection, I thus Condent the Catheter ones the Seat of the obstruction. Use an instrument which shall not have too abrupt a Cure. The retention may arise from injury of the former . In such tase, Employ the Catheler, + if necessary retain it for a day or two in the methia. If the difficulty depends on the presence of pros, the operation Consists in making

376 a free truly incision; tie the introduction of the Catheter; leaving the instrument in the bladder after the incision has been made. Neterlion may our from the presence of a Calculus in the weether or in the univery bladder, or a Stone may be impacted in any part, presenting a usechanical obstruction in the Evacuation of the bladder or wine. The object then, is to get rid of the Substance. If it is at the worth of the title, introduce a found, I push it up into the bladder; if it has become imparted, try to comme it by a pair of forceps; tip this will not do, the operation for litholomy must be perference. There may be an imperforate Condition of the wrethra which is usually Congenital; but Docuetimes it results from inflammation or Otreture, tan incision mel afferd relief, Krapessur may give rice to retention of unice; inordinate of violent Erections which

way be the Sequence of nevereal Excess; or Exters ual injuny; or of Seet; or inconsequence of disease of the Cerebelleur; nounds or injuries of the Corebellum. The patient must be treated antiphlogistically, by bleeding, purging, autimorials, anodynes, + antispasmodis of various kinds. Sive lasta Emetie in Combination mile Maphia, or Opine, Thamphor, making use locally, at the Dame time, of various autiphlogistic remedies. Use the Catheter twice or three times aday. Netention may our from famer of the tenis, during the progress of which Sometimes the whole wrether becomes involved; + the wrether way become not only diminished in length, but greatly in diameter. In Such Cases, proper incisions must be made, So as to render it able to pass an instrument into the bladder maintaining the hold, by the use of a Slippery Elen bouge , or a gun clastic instrument

Melention of Unive may be die result of obstruct. ived of the weether from blood, weens, orlymph; but these Cases are Comparatively rare. In introduring the Catheter Donce of the reasels of the uncous wembrane way be lacerated, followed by a Considerable effusion of blood which may pass into the bladder So as to Cause a Serious impediment to the Evacuation of the Contents; or homorrhage may take place in the Kidneys, eneters, or bladder itself, I in this manner produce the obstruction. When in introducing the instrument, the Expeleto. become obstructed + the unive refuses to flow out. for a period of 6,8,10 or 12 hours; give in the mean time a large anodyce, tapply formentations to make the patient as Comfortable as popule. Hen introduce the instrument again more gently, of the probable result will be that the enice till flow without any difficulty. a Case may arise where the bladder is

it.

When there is no obstacle, take a large sized in -Ohnwent, one which shall distend the walls of the weethra. Oil it Carefully twarm it properly; then holding the instrument lightly between the thumb + fingers; place the little + ring finger about the umbillions, I then holding the peris up with the thumb of fingers of the left haid, insert the instrument into the orifice of the weether, I then pass the instrument gruthy onward, until the point reaches the bulbows portion of the methra. Then with drawing the instrument slightly from the depression, raise the peris over the instrument Hass it on into the bladder, depressing the handle between the patients things. Oonce of the obstanles to the introduction of the Calleter, are, the of the narrowness of the External orifice; the Sumses of Morgague of the Edges in the opening

of the triangular ligament of the methra. When the External orifice is very narrow, while is afforded by a Dringle incision. The best mode of relaining the Calleter in the unway bladder, is by fastering it by laper inserted into the rings at the End of the instrument fastened to 3 pieces of linew passed upon the perimenen. Then plug the instrument, that there shall be no Escape of liquid Except at finen intervals. The instrument should not kextoo long. of thew & obstruction from Enlarged pustiate gland, a new opening may be firmed by person turing the pustale found by a Council Shaped Catheler . Sucontinence of Urine

is or assionally met with, characterized by a dibbling of the mine. Vorious Causes sive rise to this. It may be Consequent on an injury; it may be produced by paralysis;

There may be invoitinence of mice in young Children, who wet the bed regularly several

times rach night. Most Dubyruts thus affected are of a Ohumous Constitution.

If there is an irritable spot in the weether, or morbid sensibility, I it will not give way to general treatment, the part must be Canteined Every 10 or 12 days, until the difficulty has been furniounted. Time such fatients the Burabounder of Soda & Similar remedies, I an anodyne at might. Let the Supper be a dry one of as light as pusible.

Stone in the Bladder.

The different operations for removing Store from the bladder; are litholomy + litholipsy the one Consisting in Citting into the blad. der + removing the Calculus; + the orter in inserting an instrument into the method + chushing the Store; both of which may be performed in Several different manners. In performing the latter operation, the bladder

Should Contain a people amount of water. about fin in an adult. The patient Thould be placed remuleut, with the head + Thoulders Domewhat thereled to relay the abdominal uniscles. Jumediately after the nitedrawal of the instrument, the bladder should be Evacuated, I if the fragments have not all been removed, Of to Off topio hater enayle injected. In withdrawing the instrument, no piece of stone should be Contained in its Extremity. The operation may be repeated at intervals varying from 4 to 8 days anoining to Circumstances. If the hemorrhage Ensuing does not Cease Spontaneously it may be over-Come by wild wears. When Some fraquents become impacted at the week of the bladder, oas to give rise to impediment in the discharge of the unice, the rule is to thrust them back into the bladder by means of a large

Catheter; or to Extract there with proper instruments.
When there is store in the bladder of the female,
the operation is generally by Crushing, as the
weether is much Starter than in the male, t
Especially as the methrais very dilatable.

aufputation

The great point in amputation is cover to perform the operation where it is possible to avoid it. Augustation of a buil may become necessary pour amount of laceralet, Jun shot; or poisoned wounds (2) On ac-Count of Compound or Complicated dislocations A frastines. (3) In Consequence of untification, either idiopathio or hammalie (4) Ou amount of diseased foints; + deseased bones, as Caries + necrosis. (51 On ausunt of ulcerations of the Themities. (6) On amount of the Elistence of Enephaloid disease, osteous Parcoma, Vaneurisew. I'm Ou account of Clauses.

There are two kinds of aufurtation one by the Circular operation, the other by the flap . The first Consists in dividing the Thin, Cellular Substance, Masica of the link in a Circular manner, then dissecting up the parts about 1/2 to 3 wiches, according bothe dimensions of the link, from the muscles; then Cut through the muscles inclining the rolg of the huite a little up. march So as to hollow out the parts; retrait the muscles of Separating them about an inch from the bone, Daw off the bone on a level with the parts; + there is formed a Sort of hollow The flap operation is inch preperable. The larger weres must be Cut off a little beyond the bone. The arteries must be Cut obliquely. To prevent hemorhap, touriequels must be applied. after making the plaps, Saw off the bour ; +

then the the ressels in the usual way. Then approximate the flaps by Seneral points of the interrupted Suture, using also, ad beside Stups ta bandage. Gonorrhoea This is liable to take place in both Sexes, at different periods of life, rarely before the age of preberly. It Cousiels in an inflamcuation of the mucous membrane of the wether t of the head of the peris in the male, t of the unions membrane of the vulva, vagina uters & methra of the pemale. It is of a Specific character, bring the result of impure Connection, or of the Contact of a Operific virus, the precise character of which we are unable to determine. It usually takes place within Hors days after the impune Connection, Sometimes Sooners occasionally, later. The desease usually

manifests itself in the frist instance, in the form of a little tickling Sensation, & Sense of uneasures, along the auterior pution of the wether, a feeling of titillation, therhaps a little uneasiness in paping water. At the Dance time, there is Down degree of discoloration I incipient tuncefaction in the head of the perios, the parts feeling a little une distended than natural, In the Course of 12 w 24 hours after these syncptoms have been observed, they increase + chere is a Slight discharge of minus, mue than is observed in the healthy state; an incease of the Sense of titllation, & Scalding, increase of timefaction & discoloration in the head of the penis. Byt by, the weens dis-Charge is followed by a fundent discharge, I afterwards by pure pres of a greenish aspect, but variable in quantity, the discharge may be of Several dearlines in the

34 hours, I when the inflammation is violent the was is thinkened by plastic matter. The Ocalding in passing water is now very great I there is an increase of the inflammatory Condition of the whole of the affected organ. There may be a Slight Suppination, or a little residation of the mucous membrane of the head of the peris. The prepure is unaturally red, trumpied, + Sensitive. loite etrese Dysuptoms, the patient is frequently troubled with morbid rections of the part at night in bed; tit may remain for many amountes I Even for hours. There is frequently a great initability of the univery bladder. As the disease progresses, the inflammation has a tendency to Extend along the deferential tutes, + the Seminal dusts as far as the Epidydunis, while becomes parieful, tume fied of lender, which is went aft to take

place during the height of the inflammation from indiscretions, I towards the decline. Hu disease may last for an indefinite period, after a while becoming chronic. The murbid action is generally must Complexity in the anterior pation of the methra. When the pustion part is affected, there is pain in the ferimenn, Extending around the anns, talong the inner Durface of the thighs, toflew up along the grow. When the ans is affected, the patient suffers from a sense of weight, + from In order to Cine the patient prouply, trith the least Consequence of bad terminations, the treatment should be strictly autiphlogistic. Confine the patient to his poored; do not allow him to Sit up or walk about the apartment; I at the same time Cut off the supplies to the greatest posible Extent. Simil him to a

fari naceous diet. Interdut the use of Enery find of weat, tofall Condinents or Otimulants Either Solid or flind. Tange him thoroughly. of the tongue is weich Coated & there is headache, of disturbance of the alimentary Canal, offebrile excitement, purge him by wears of Calouel. Jalap, Compo Estrait of folorywsh, with a minute quantity of lactor unetic; or give him a thorough dose of Lenna & Epeous Salts. If the patient is plethorie of the Symptoms are urgent, bleed him largely from the arme from a free orifice, until there is an approach to Dyricope. Then use the value toutemounal mixture; put him under the influence of nanceants & wild aperients. Sine from 1/4 6 Her Joga Vartan Erwelie & Magues. Sulph 3) way 2 /ru & hours, awarding to the loberation of the Stomach of the Condition of the alimentary Canal. When the patient is

delivate, dyspeptie te, attend le die diet, Ygive ouasionally a mild aperient, with rest in the remuleut posture. The penis must be trept in an elevated position; I the best plan is to place it a little above the level of the thighs Supporting it by naphies; or if the discharge be not very profuse, turn it up that the orifice Thall look towards the umbillions; I the organ Thould be frequently immersed in tepid water, Especially if there is much tungfaction, + disease of the museus Covering of the head of the perios. Our Even teaspoonful of Salt may be dissolved in a paint of tepid water, I the penis maybe Kept in it from 15 to 30 minutes 3 ort times in "the 24 hours. Employ also wild injections Consisting at first of topid water, twater ton = taining a grain lotte to of alene or of Time acetas go/suel /4, or Plumbiacetas gof, or some astringent regitable infusion, as

Common teaberry lear, or some Triple minilagenous fluid, in the Early Stage of the disease as Soon as the inflammation has been moderated, then make use of Jone astringent cinjection, Such as argenti hitras; Gouland's Extract Legar glead, Fine Sulphas, wel acetatis; intrie or miniaturaid; red hime to alun fet. Whatever article is Employed, the injection should be sailed in the first instance, + it should be Carefully graduated to the tote rance of the part . Say of arguli hitras from gij to ff orgaji to liqua fij & use it time in the 24 hours, or only once at frist, auding to the impression the article has made upon the musous membrane. Take glt xx to xxx of Youlands Testant to aqua fzir vel of vel viij of Plumbi acetas grs if veligholique (Z) Fine. Sulphatis wel acetates ges ij-ij of alumen for winel in loagua Pzj te

394 Jamin Hed wine, Should have at first a little vater mixed with it, lating brium Rubin Fij Jamin Jp to agua Fin velvij. anoster good ingrilion is Agdrargy Bichlink gr/8 to agua fzj. Of the and suplay oner Idrops to the once. The injections should be varied Substituting one for the other, when the previous one disagrees with the part. The bladder should be Emplied inneed intely before the Employment of the injection. The fluid should be retained from two to 5 minutes, so as to bring it in Contact with every purtion of the affected surface. after these, Nalsan of Copaiba or Culebs Constitute the hest remedies. Balsan Copaire may be given in various ways This should not be given until the morbid arten has Subsided; the discharges durinished, as well as the Scalding in passing water; as well as the Ewollen Condition of the peris.

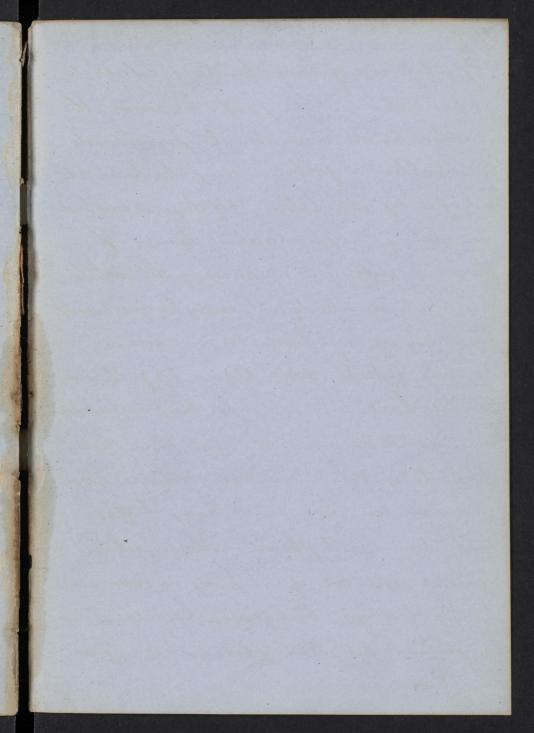
He best form to give it internally is in Emulsion The quantity varies from 3/3 to 3/2 or Even 31 repeated twice or 3 times in the 24 hours. Date Zij Each of White Sugar House arabic + rub the Palsam Copaira up thoroughly with chew, of their add gradually water Either pine, or Cimamon, orpeppennint water, or hest of all Camphor water. a good formula is Zij Each of louf Sugar, + Sum aubic; Balsam Copaiba 3j; agua Camphora & zaij, Spt. hit. ach. Bij + Maphia Day /2 go wits Equivalent of landa un, black sup, or paregorie. The lest time to give it is just before a weal, when it will not be so likely to disagree with the stomach. This medicine is to be repeated 7,3, or times in the 24 hours. It may be given for a week or futught if necessary; I'll heatest properly, a Come may be effected querallyin a week or 10 days.

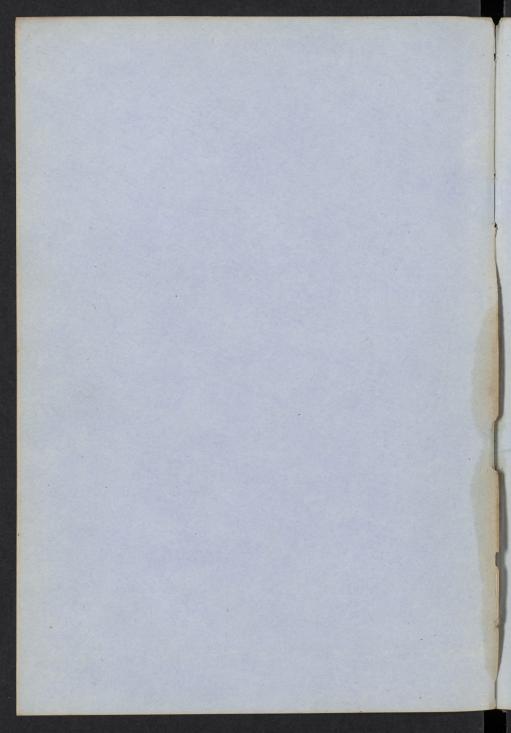
396 When the patient is mable to use the baleaur mixture; give the Capsules, one, two, or three, 3 or of times in the 24 hours; or give a fill Comproed of balsam Copaira & Magnes; Carbonas; but this is a lep heneficial wethord of giving it. Some persons Cannot use Copaira in any form by the mouth; I when given by the rection, the quantity must be well larger than when given by the mouth. If the balsam Copaiba is initating, it may be suspended for a few days, or altogether, or it may be Com: bined with anodynes. The next best article is the Cibebs which Should be given in deses varying from 2 to 4 drachers, 3 times in the 24 hours. This decease may terminate in a chionic dis charge, a little milky, to little thicker draw in the natural state time larger quantity, Constituting what is Called Gleek. There may be a little dething in

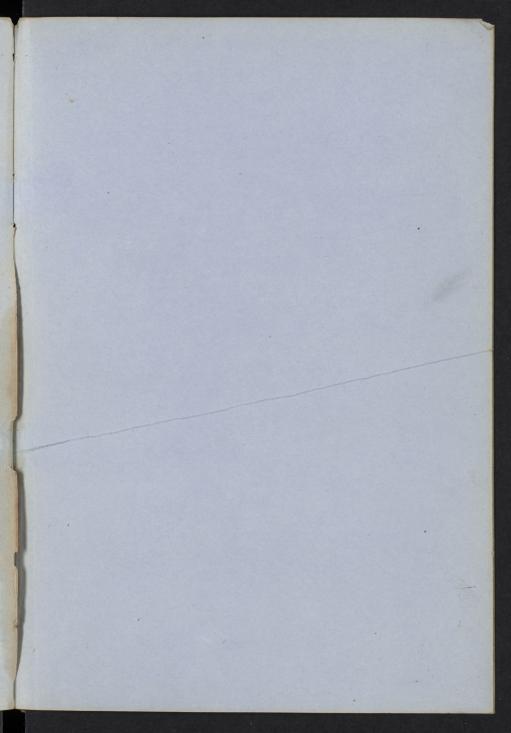
398 in Some muilagenous fluid. Cold applica. tions may be used; or during told weather, vin nervous patients, warm applications, Either Simple or enedicated, Covering the genitals of the Surrounding regions. The peris has become Gooked, Endeaver to dispuse of the effused Substance by Serbefacents, locally I internally; using, after the violence of the inflammation has gove down, various kinds of Embrocations, linements to of a stimulating Character; + Every night a grain stres of mercury every he given to Stimulate the abserbent vessels. Orrasionally the patient is affected with relection of the unice. Endeaver bonerone this by anodyne injections, formentations; tanodynes by the mouth, a dracher of Landanum as an injection; ora good dose of Maplin by the mouth, & apply to the gruitals clothes uning out of warm water

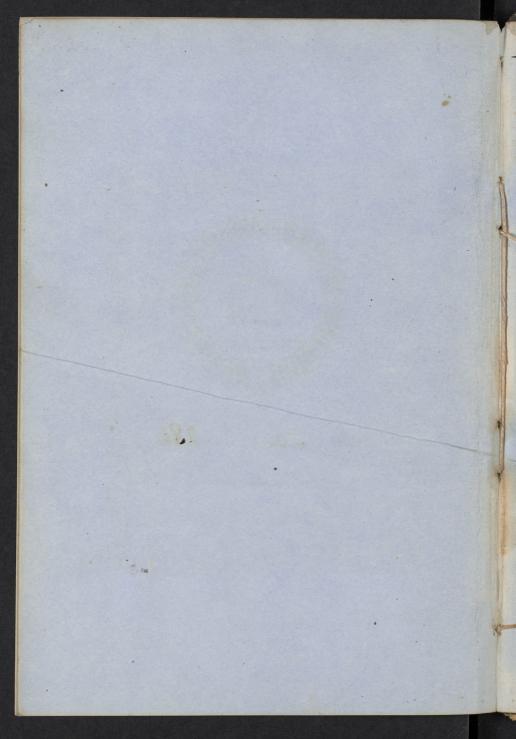
399 Handamen, to the survending putins. of this does not Succeed, use the Calleter as grutly as possible. When there is initability of the bladder, use antiphlogistic means; ban bath; formentations; + Enen leeches to the perineum, + anodyces by the rection + month, or a Combination of tartar antie + enophia in full dires. When the Youverhoed is Anddenly anested from Joure Cause, the patient suddenly feels measines in the Epidydinis, Lin the testiles, which now become inflamed. Then the patient must beheated strictly antiphles gistically. Place him remuleut, prychim, bleed him; of possible, apply leaches to the permense outside & Endeavor to Dubdue the morbed action. In the chronic State of the disease, the treatment must be undified

If the Case is of long standing, Establish a new action in the part. Examine the wethen by an instrument passed into the bladder: I if there is any structure, get rid of it by dilatation, tif there is emorbed Densibility, Employ Cantenzation. of there is no difficulty in passing the Catheter. I murbid Sensibility, it may be overcome by a strong injection; ta good one is argente Intentes grax agua \$37. Unoun with a large Dyrings as far back as possible once in 2x hours. Afterwards place the patient in the remuleant porture; Keep him on low diet; pung him; time him denulcent fluids. The injection may be repeated if weefpary in from one to 3 ort days, but generally one or two ingritions will be sufficient to Effect









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J. Solis Cohen, M. D.

MAR 10 1922

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